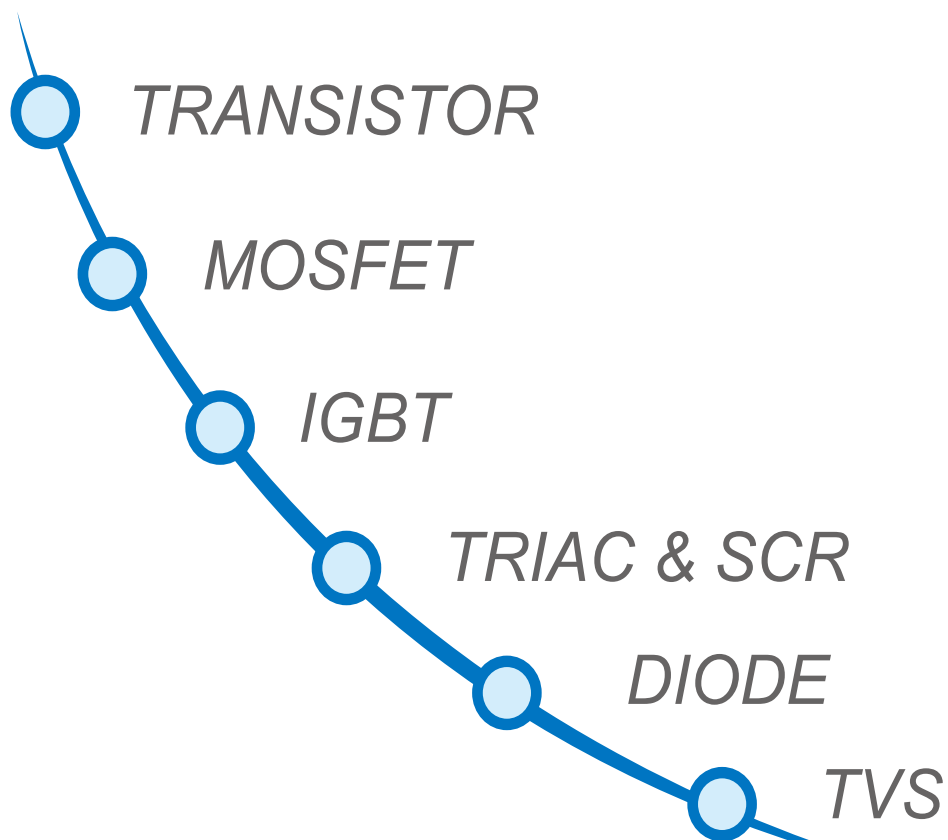


UNISONIC TECHNOLOGIES CO., LTD

2016
DISCRETE
Product Guide



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UNISONIC

DISCRETEs

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TRANSISTOR

Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
2SC4774	-	6	12	0.05	270	560	5	5	0.30	10	1	SOT-323
2SC5765	-	10	15	5.00	450	700	500	1.5	0.27	3000	60	TO-92SP
2SC5889	-	10	15	5.00	450	1200	500	2	0.35	3000	60	TO-92SP
2SD2470	-	10	15	5.00	270	820	2000	2	0.50	3000	100	SOT-89 TO-92SP
-	2SA1300	10	20	2.00	140	600	500	1	0.50	2000	50	SOT-89 TO-92
2SD879	-	10	30	3.00	140	400	3000	2	0.40	3000	60	SOT-89 TO-92
2SC3838	-	11	20	0.05	56	400	5	10	0.50	10	5	SOT-323 SOT-23
-	UP1868	12	15	6.00	300	1000	500	1	0.10	500	5	SOT-89 SOT-223
2SC3355	-	12	20	0.10	50	300	20	10	-	-	-	TO-92
2SC3356	-	12	20	0.10	50	300	20	10	-	-	-	SOT-23-3 SOT-23
9018	-	15	30	0.05	28	198	1	5	0.50	10	1	TO-92
MMBT9018	-	15	30	0.05	28	198	1	5	0.50	10	1	SOT-523 SOT-23
UN1066	-	15	20	6.00	250	-	5000	0.5	0.18	1500	30	SOT-89 TO-252
-	UP2518	20	20	1.50	300	450	100	2	0.04	100	10	SOT-23
UN1518	-	20	20	2.50	300	450	200	2	0.15	1000	10	SOT-23
-	2SB1424	20	20	3.00	120	390	100	2	0.50	2000	100	SOT-89
2SD468	2SB562	20	25	1.00	85	240	500	2	0.50	800	80	TO-92 TO-92NL
8050S	8550S	20	30	0.70	120	400	150	1	0.50	500	50	SOT-23 TO-92
S8050	S8550	20	30	0.70	120	400	150	1	0.50	500	50	TO-92
BCP68	BCP69	20	32	1.00	85	375	500	1	0.50	1000	100	SOT-223
-	2SB1412	20	30	5.00	82	390	500	2	1.00	4000	100	TO-252
-	2SB1386	20	30	5.00	82	390	500	2	1.00	4000	100	SOT-89
9013	9012	20	40	0.50	64	300	50	1	0.60	500	50	TO-92
MMBT9013	MMBT9012	20	40	0.50	64	300	50	1	0.60	500	50	SOT-23
M28S	-	20	40	1.25	300	1000	100	1	0.55	600	20	SOT-23 TO-92
2SD965	-	20	40	5.00	230	800	500	2	1.00	3000	100	SOT-89 TO-92 TO-252
D965SS	-	20	40	5.00	230	800	500	2	1.00	3000	100	SOT-23
MMBTH10	-	25	30	0.05	60	-	4	10	0.50	4	0.4	SOT-723 SOT-523 SOT-323 SOT-23
MPSH10	-	25	30	0.05	60	-	4	10	0.50	4	0.4	TO-92
2N5089	-	25	30	0.10	400	1200	0.1	5	0.50	10	1	TO-92
MMBT5089	-	25	30	0.10	400	1200	0.1	5	0.50	10	1	SOT-23
BC338	BC328	25	30	0.80	100	630	100	1	0.70	500	50	TO-92
BC818*	BC808	25	30	0.80	100	630	100	1	0.70	500	50	SOT-323 SOT-23
2SD999*	2SB798	25	30	1.00	90	400	100	1	0.40	1000	100	SOT-89
HE8050	HE8550	25	40	1.50	85	500	100	1	0.50	800	80	SOT-23 SOT-89 TO-92 TO-92NL
HE8051	HE8551	25	40	1.50	85	500	100	1	0.50	800	80	TO-92 TO-92NL
-	MJD210	25	40	5.00	45	180	2000	1	0.30	500	50	TO-251 TO-252
X1049A	-	25	80	4.00	300	1200	1000	2	0.13	1000	10	TO-92 TO-220F TO-220F2
	BC558	30	30	0.10	110	800	2	5	0.25/0.30	10	0.5	TO-92
BC848	BC858	30	30	0.10	110	800	2	5	0.25/0.30	10	0.5	SOT-523 SOT-323 SOT-23
BC849	BC859*	30	30	0.10	110	800	2	5	0.25/0.30	10	0.5	SOT-523 SOT-323 SOT-23
2SC2328A	2SA928A	30	30	2.00	100	320	500	2	2.00	1500	30	TO-92 TO-92NL
2N5088	-	30	35	0.10	300	900	0.1	5	0.50	10	1	TO-92
MMBT5088	-	30	35	0.10	300	900	0.1	5	0.50	10	1	SOT-23
-	2SB1188	30	40	3.00	100	400	1000	2	0.50	2000	200	SOT-89

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Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
2SD882	2SB772	30	40	3.00	100	400	1000	2	0.50	2000	200	TO-92NL TO-126 TO-126C TO-251 TO-252
2SD882S	2SB772S	30	40	3.00	100	400	1000	2	0.50	2000	200	SOT-89 SOT-223 TO-92
D882SS	B772SS	30	40	3.00	100	400	1000	2	0.50	2000	200	SOT-23
-	SB2202	30	40	3.00	100	400	1000	2	0.50	2000	200	TO-251 TO-252
2SD965A	-	30	40	5.00	230	800	500	2	1.00	3000	100	SOT-89 TO-92 TO-252
D965ASS	-	30	40	5.00	230	800	500	2	1.00	3000	100	SOT-23 SOT-89
-	STD888	30	60	5.00	150	300	500	1	0.15	500	5	TO-252
-	D45H2	30	-	10.00	100	-	10000	1	1.00	10000	100	TO-220
-	D65H2	30	-	15.00	100	-	10000	1	0.60	10000	100	TO-220
BD435	-	32	32	4.00	85	140	500	1	0.50	2000	200	TO-126
2SD1664	2SB1132	32	40	1.00	82	390	100	3	0.40/0.50	500	50	SOT-323 SOT-23 SOT-89 TO-252
-	2SB1182	32	40	2.00	120	390	500	3	0.80	2000	200	SOT-89 TO-252
2N3904	2N3906	40	60/40	0.20	100	300	10	1	0.30/0.40	50	5	SOT-89 TO-92
MMBT3904	MMBT3906	40	60/40	0.20	100	300	10	1	0.30/0.40	50	5	SOT-523 SOT-323 SOT-23
2N4401	2N4403	40	60/40	0.60	100	300	150	1/2	0.40	150	15	TO-92
MMBT4401	MMBT4403	40	60/40	0.60	100	300	150	1/2	0.40	150	15	SOT-323 SOT-23
PZT2222A	PZT2907A	40/60	75/60	0.60	100	300	150	10	0.30/0.40	150	15	SOT-223
MMBT2222A	MMBT2907A	40/60	75/60	0.60	100	300	150	10	0.30/0.40	150	15	DFN-3(1X0.6) SOT-523 SOT-323 SOT-23
PN2222A	PN2907A	40/60	75/60	0.60	100	300	150	10	0.30/0.40	150	15	SOT-89 TO-92
BCX70	-	45	45	0.20	380	630	2	5	0.35	10	0.25	SOT-23
BD135*	BD136	45	45	1.50	40	250	150	2	0.50	500	50	SOT-223 TO-126 TO-126C TO-251
9014	9015	45	50	0.10	60	1000/600	1	5	0.30/0.70	100	5	TO-92
MMBT9014	MMBT9015	45	50	0.10	60	1000/600	1	5	0.30/0.70	100	5	SOT-23
BC547	BC557	45	50	0.10	110	800	2	5	0.25/0.30	10	0.5	TO-92
BC847	BC857	45	50	0.10	110	800	2	5	0.25/0.30	10	0.5	SOT-523 SOT-323 SOT-23
BC850	BC860*	45	50	0.10	110	800	2	5	0.25/0.30	10	0.5	SOT-523 SOT-323 SOT-23
BC337	BC327	45	50	0.80	100	630	100	1	0.70	500	50	TO-92
BC817	BC807	45	50	1.50/0.80	100	600/630	100	1	0.70	500	50	SOT-323 SOT-23
TC200	-	45	60	0.50	70	240	50	2	0.25	100	10	TO-92
2SC2655	2SA1020	50	50	2.00	70	240	500	2	0.50	1000	50	SOT-23 SOT-89 TO-92
2SD886*	2SB776	50	50	3.00	100	400	1000	2	0.50	2000	200	TO-126 TO-252
-	USS5350	50	50	3.00	200	450	1000	2	0.18	1000	50	SOT-89 SOT-223
2SC1815	2SA1015	50	60/50	0.15	70/120	700	2	6	0.25/0.30	100	10	TO-92
MMBT1815	MMBT1015	50	60/50	0.15	120	700	2	6	0.25/0.30	100	10	SOT-113 SOT-723 SOT-523 SOT-323 SOT-23
2SC2712	2SA1162	50	60/50	0.15	70	700/400	2	6	0.25/0.30	100	10	SOT-323 SOT-23 TO-92
2SC4672	2SA1797	50	60/50	2.00	120	400	500	2	0.35	1000	50	SOT-323 SOT-89 TO-92NL TO-252
2SC4617	2SA1774	50	60	0.15	120	560	1	6	0.40/0.50	50	5	SOT-723 SOT-523 SOT-323 SOT-23 SOT-89
2SC945	2SA733	50	60	0.15	90	600	1	6	0.30	100	10	SOT-323 SOT-23 TO-92 TO-92SP
MMBT945	MMBT733*	50	60	0.15	90	600	1	6	0.30	100	10	SOT-323 SOT-23
KSC945	-	50	60	0.15	40	700	1	6	0.30	100	10	TO-92
2SC1384	2SA684	50	60	1.00	85	340	500	10	0.40	500	50	SOT-89 TO-92NL
2SD1616	2SB1116	50	60	1.00	135	600	100	2	0.30	1000	50	SOT-89 TO-92 TO-92SP SIP-3
MMBT1616	MMBT1116	50	60	1.00	135	600	100	2	0.30	1000	50	SOT-23

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Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
2SD874A*	2SB766A	50	60	1.00	85	340	500	10	0.40	500	50	SOT-89
2SD1624	2SB1124*	50	60	3.00	100	560	100	2	0.50/0.70	2000	100	SOT-89
2SD1802	2SB1202	50	60	3.00	100	560	100	2	0.50/0.70	2000	100	TO-126C TO-251 TO-252
USS4350	-	50	60	3.00	200	-	1000	2	0.17	1000	50	SOT-89 SOT-223
USS4450	-	50	60	3.00	200	-	1000	2	0.17	1000	50	TO-252
2SD1060	2SB824	50	60	5.00	70	360	1000	2	0.40	3000	300	SOT-89 TO-92 TO-126 TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
2SC2562*	2SA1012	50	60	5.00	70	360	1000	1	0.40	3000	150	TO-251 TO-252 TO-220 TO-220F
2SD1803	-	50	60	5.00	70	400	500	2	0.40	3000	150	DFN-8(5X6) TO-251 TO-252
2SD1804	2SB1204*	50	60	8.00	70	400	500	2	0.40	4000	200	TO-251 TO-252 TO-220
2SC5569	2SA2016	50	80/50	7.00	200	560	500	2	0.17/0.40	2000	40	SOT-89 TO-252
MMBTA05	MMBTA55	60	60	0.50	100	-	10	1	0.25	100	10	SOT-323 SOT-23
MPSA05	MPSA55	60	60	0.50	100	-	10	1	0.25	100	10	TO-92
2SD1616A	2SB1116A	60	120/80	1.00	135	400	100	2	0.30	1000	50	SOT-89 TO-92 TO-92SP SIP-3
MMBT1616A	MMBT1116A	60	120/80	1.00	135	400	100	2	0.30/0.20	1000	50	SOT-23
BD137	BD138	60	60	1.50	40	250	150	2	0.50	500	50	SOT-223 TO-126 TO-126C TO-251
2SD2136	-	60	60	3.00	40	250	1000	4	1.20	3000	375	SOT-223 TO-126 TO-126C TO-126S
2SD313	-	60	60	3.00	40	320	1000	2	1.00	2000	200	TO-220 TO-220F TO-263
2SD880	-	60	60	3.00	100	200	500	5	1.00	3000	300	SOT-89 TO-220
2SD1691	2SB1151	60	60	5.00	160	400	2000	1	0.30	2000	2000	SOT-223 TO-126 TO-126C TO-251 TO-252 TO-220 TO-220F1
MJE3055T	MJE2955T	60	70	10.00	20	100	4000	4	1.10	4000	400	TO-251 TO-252 TO-220
-	2SB834	60	60	3.00	60	300	500	5	1.00	3000	300	SOT-89 TO-126 TO-252 TO-220 TO-220F
-	UP1851	60	100	5.00	100	300	2000	1	0.05	100	10	SOT-223
2N3055	2N2955	60	100	15.00	20	70	4000	4	1.10	4000	400	TO-3
2N3772	-	60	100	30.00	15	60	10000	4	1.40	10000	1500	TO-3
BC546	BC556	65	80	0.10	110	800	2	5	0.25/0.30	10	0.5	TO-92
BC846	BC856	65	80	0.10	110	800	2	5	0.25/0.30	10	0.5	SOT-523 SOT-323 SOT-23
2SD1782	2SB1198	80	80	0.50	120	390	100	3	0.50	500	50	SOT-23
MMBTA06	MMBTA56	80	80	0.50	100	-	10	1	0.25	100	10	SOT-23
MPSA06	MPSA56	80	80	0.50	100	-	10	1	0.25	100	10	TO-92
PZTA06	PZTA56*	80	80	0.50	100	-	10	1	0.25	100	10	SOT-223 SOT-23 SOT-23-3
-	PZT4033	80	80	1.00	100	300	100	5	0.15	150	15	SOT-223
2SC3669	2SA1429*	80	80	2.00	70	240	500	2	0.50	1000	50	SOT-89 SOT-223 TO-251 TO-252
-	2SB1017	80	80	4.00	40	240	500	5	1.70	3000	300	TO-220F
HJ44H11	-	80	80	8.00	60	-	2000	1	1.00	8000	400	SOT-223 TO-252 TO-220
2SD1898	2SB1260	80	100/80	1.00	82	390	500/100	3	0.40	500	20/50	SOT-23 SOT-89 SOT-223 TO-252
BD139	BD140	80	100/80	1.50	63/40	250	150	2	0.50	500	50	SOT-223 TO-126 TO-126C TO-126S TO-251
-	2SA1693	80	80	6.00	50	180	2000	4	1.50	2000	200	TO-3P
BD237	BD238	80	100	2.00	40	-	150	2	0.60	1000	100	TO-126 TO-126S
-	2SB647	80	120	1.00	60	320	150	5	1.00	500	50	TO-92NL
2SC4466	-	80	120	6.00	50	180	2000	4	1.50	2000	200	TO-3P
2N6718	-	100	100	1.00	50	300	250	1	0.35	350	35	SOT-89 TO-92 TO-126C
TIP31C	TIP32C	100	100	3.00	10	50	3000	4	1.20	3000	375	TO-126 TO-126S TO-252 TO-220

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NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
TIP41C	TIP42C	100	100	6.00	15	75	3000	4	1.50	6000	600	TO-252 TO-263 TO-220 TO-220F
-	TIP42C-Q	100	100	6.00	15	75	3000	4	2.20	6000	600	TO-220
MN2510	MP2510	100	100	25.00	40	120	12000	4	1.50	12000	1200	TO-3P
TIP35C	TIP36C	100	100	25.00	55	160	1500	5	1.80	15000	1500	TO-3P TO-3PN
2SD667	-	100	120	1.00	140	330	150	2	0.50	500	50	TO-92NL
2SC3647	-	100	120	2.00	100	400	100	5	0.40	1000	100	SOT-89
2SD1816	2SB1216	100	120	4.00	70	400	500	5	0.40/0.50	2000	200	TO-251 TO-251S TO-252 TO-220F
PZT1816	-	100	120	4.00	70	400	500	5	0.40	2000	200	SOT-223
-	2SB857	100	130	4.00	60	320	1000	4	1.00	2000	200	TO-126C TO-252 TO-220
-	UP1853	100	140	5.00	100	300	1000	1	0.22	2000	200	SOT-223
UP1753	-	100	200	6.00	100	300	2000	2	0.15	2000	100	SOT-223 TO-252
2SC2881	2SA1201	120	120	0.80	80	240	100	5	1.00	500	50	SOT-89 TO-92
2SC2235	2SA965*	120	120	0.80	80	240	100	5	1.00	500	50	TO-92 TO-92NL
2SD1857	2SB1236*	120	120	2.00	82	390	100	5	0.40	1000	100	TO-92 TO-92NL TO-126 TO-126S TO-251
-	2SA1694	120	120	8.00	50	180	3000	4	1.50	3000	300	TO-3P TO-3PN
2SD718	2SB688	120	120	10.00	55	160	1000	5	2.00/2.50	6000/5000	600/500	TO-3P
2SC4467	-	120	160	8.00	50	-	3000	4	1.50	3000	300	TO-3P TO-3PN
2SD669	2SB649	120	180	1.50	60	320	150	5	1.00	600	50	SOT-23 SOT-89 SOT-223 TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-252
2SC3834	-	120	200	7.00	70	220	3000	4	0.50	3000	300	TO-220 TO-220F TO-3P
2SC3835	-	120	200	7.00	70	220	3000	4	0.50	3000	300	TO-3P TO-3PN
2N3773	2N6099	140	160	16.00	15	60	8000	4	1.40	8000	800	TO-3
-	UP1855	140	180	4.00	100	300	1000	5	0.15	1000	100	SOT-223
-	UP2855	140	180	4.00	100	300	1000	5	0.12	1000	100	SOT-223
-	UP3855	140	180	4.00	100	300	1000	5	0.12	1000	100	SOT-223
2SC2073	-	150	150	1.50	40	140	500	10	1.50	500	50	TO-220
BU407	-	150	330	7.00	35	200	2000	5	1.00	5000	500	TO-220
2SD1609	2SB1109*	160	160	0.10	60	320	10	5	2.00	30	3	TO-126
2N5551	2N5401	160/150	180/160	0.60	80	400	10	5	0.20/0.50	50	5	SOT-89 TO-92
MMBT5551	MMBT5401	160/150	180/160	0.60	80	400	10	5	0.20/0.50	50	5	SOT-23
PZT5551	PZT5401	160/150	180/160	0.60	80	400	10	5	0.20/0.50	50	5	SOT-223
2SC2383	-	160	160	1.00	60	320	200	5	1.50	500	50	TO-92
-	2SA1013	160	160	1.00	60	320	200	5	1.50	500	50	SOT-89 TO-92 TO-92NL
2SC3648	-	160	180	0.70	100	400	100	5	0.40	250	25	SOT-89
2SD669A	2SB649A	160	180	1.50	60	320/200	150	5	1.00	600	50	SOT-23 SOT-89 SOT-223 TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-252
-	2SA1507	160	180	1.50	100	400	100	5	0.50	500	50	TO-126
2SC4027	2SA1522*	160	180	1.50	100	400	100	5	0.45	500	50	TO-252 TO-220
-	UP1855A	170	180	4.00	100	300	1000	5	0.15	1000	100	SOT-223 TO-126
UN1596	-	180	180	0.50	500	-	100	5	0.20(TYP)	100	2	SOT-223
MMBTA43	MMBTA93*	200	200	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-23
MPSA43	MPSA93*	200	200	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-89 TO-92 TO-92NL
PZTA43	PZTA93*	200	200	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-223
-	UP1496	200	220	0.30	85	300	250	10	0.35	250	25	SOT-23

TRANSISTOR

Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
-	UP1856	200	220	2.00	100	300	1000	5	0.165	1000	100	SOT-223
D4120P	-	200	350	1.50	8	50	200	5	0.50	400	100	TO-92
4124D	-	200	350	2.00	8	50	200	5	0.80	500	100	TO-92 TO-126
13003DW	-	200	350	2.00	15	30	500	5	1.00	1500	500	TO-92 TO-126 TO-251
4126D	-	200	350	3.00	8	50	500	5	0.80	1000	200	TO-92 TO-126 TO-251
4124	-	200	400	1.50	10	60	200	10	0.50	400	100	TO-126
4126	-	200	400	3.00	10	60	500	10	0.50	500	100	TO-126
4128	-	200	400	5.00	10	60	500	10	0.80	1000	200	TO-126
BU406	-	200	400	7.00	70	240	500	10	1.00	5000	500	TO-220 TO-220F TO-220F1 TO-263 TO-3P
2SC4793	2SA1837	230	230	1.00	100	320	100	5	1.50	500	50	SOT-223 TO-220F TO-220F1 TO-220F2
2SC5200	2SA1943	230	230	15.00	55	160	1000	5	3.00	8000	800	TO-3PL
BF422	BF423	250	250	0.05	50	-	25	20	0.6	30	5	TO-92
2SC2482	-	300	300	0.10	30	150	20	10	1.00	10	1	TO-92NL
2SC2688	-	300	300	0.20	40	250	10	10	1.50	20	5	TO-126 TO-126C
2SC3468	-	300	300	0.10	40	320	10	10	0.60	20	2	SOT-89
MMBTA42	MMBTA92	300	300	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-23
MPSA42	MPSA92	300	300	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-89 TO-92 TO-92NL
PZTA42	PZTA92	300	300	0.50	80	300/-	10	10	0.20/0.50	20	2	SOT-223
MPSA42M*	MPSA92M	300	300	0.80	80	300/-	10	10	0.20/0.50	20	2	TO-92
MJE13002	-	300	600	1.50	8	40	500	2	0.50	500	100	TO-92 TO-126
MJE13002-E	-	300	600	1.50	8	40	500	2	0.80	500	100	TO-92 TO-126S
-	BF488	350	350	0.10	50	-	25	20	0.50	20	2	TO-92
MMBTA45	-	350	400	0.30	50	240	10	10	0.50	10	1	SOT-23
MPSA45	-	350	400	0.30	82	240	10	10	0.50	10	1	SOT-89 TO-92 TO-92NL TO-126 TO-252
PZTA45	-	350	400	0.30	50	240	10	10	0.50	10	1	SOT-223
2SC4548	-	400	400	0.20	60	200	50	10	0.6(TYP)	50	5	SOT-89
-	2SA1700	400	400	0.20	60	200	50	10	0.80	50	5	SOT-89 TO-251 TO-252
-	2SA1740	400	400	0.20	60	200	50	10	0.80(TYP)	50	5	SOT-89
-	KSA1625	400	400	0.30	70	300	10	10	0.20	10	1	TO-92
-	MPSA194	400	400	0.80	50	800	20	10	0.20	20	4	TO-92 TO-92NL
MMBTA44	MMBTA94	400	500/400	0.30	50/70	240/300	10	10	0.50/0.20	10	1	SOT-23
MPSA44	MPSA94	400	500/400	0.30	82/70	240/300	10	10	0.50/0.20	10	1	SOT-89 TO-92 TO-92NL TO-126 TO-252
PZTA44	PZTA94	400	500/400	0.30	50/70	240/300	10	10	0.50/0.20	10	1	SOT-223
2SC4242	-	400	450	7.00	10	-	4000	5	0.80	4000	800	TO-220
MJE13011	-	400	450	10.00	10	-	4000	5	1.20	4000	800	TO-220 TO-3P
2SC2625	-	400	450	10.00	10	-	4000	5	1.20	4000	800	TO-3P
2SC3320	-	400	500	15.00	10	45	6000	5	1.00	6000	1200	TO-3P TO-3PN
MJE13001	-	400	600	0.20	10	70	20	20	0.50	50	10	SOT-89 TO-92
MJE13001-Q	-	400	600	0.20	10	70	20	20	0.50	50	10	SOT-89 TO-92
MJE13001-P	-	400	600	0.20	10	70	20	20	0.50	50	10	TO-92
ULB121	-	400	600	0.30	10	36	50	10	0.40	50	10	TO-251
ULB122	-	400	600	0.80	10	40	100	10	0.40	100	20	TO-251
13003DE	-	400	600	1.30	15	30	200	5	0.80	500	100	TO-92 TO-126
13003DF	-	400	600	1.50	15	30	200	5	0.90	1000	250	TO-92 TO-126

TRANSISTOR

Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
13003DH	-	400	600	1.80	15	30	200	5	0.80	1000	250	TO-92 TO-126 TO-251
ULB124	-	400	600	2.00	10	40	300	5	0.30	100	10	TO-126 TO-251 TO-220
UBV45	-	400	700	0.75	12	27	200	5	1.00	300	75	TO-92
13002AG	-	400	700	0.75	7	20	400	5	0.50	200	40	TO-92
13003ADG	-	400	700	1.50	5	30	1000	5	0.50	500	100	TO-92 TO-126 TO-251
MJE13003	-	400	700	1.50	14	57	500	5	0.50	500	100	TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-251S TO-252 TO-220
MJE13003D	-	400	700	1.50	14	57	500	5	0.50	500	100	TO-92 TO-126 TO-251 TO-252 TO-220
MJE13003D-P	-	400	700	1.50	14	57	500	5	0.50	500	100	TO-92
MJE13003-E	-	400	700	1.50	14	57	500	2	0.50	500	100	TO-92 TO-126S
MJE13003-P	-	400	700	1.50	14	57	400	2	0.50	500	100	SOT-89 TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-252
MJE13003-R	-	400	700	1.50	14	57	500	5	0.50	500	100	TO-92
MJE13003-V	-	400	700	1.50	14	57	500	5	0.50	500	100	TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-251S TO-252 TO-220
5303D	-	400	700	2.00	10	30	400	5	0.50	500	100	TO-251
MJE13005	-	400	700	4.00	15	50	500	5	0.50	1000	200	TO-126 TO-126S TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F
MJE13005D	-	400	700	4.00	15	50	500	5	0.50	1000	200	TO-126 TO-126S TO-251 TO-220 TO-220F
MJE13005D-K	-	400	700	4.00	15	50	500	5	0.50	1000	200	TO-251
MJE13005-K	-	400	700	4.00	15	50	500	5	0.50	1000	200	TO-126 TO-251 TO-251S4 TO-252 TO-220 TO-220F
MJE13005-Q	-	400	700	4.00	15	50	500	5	0.50	1000	200	TO-126 TO-251S TO-220
MJE13007	-	400	700	8.00	8	40	2000	5	1.00	2000	400	TO-220 TO-220F TO-220F1 TO-220F2
MJE13007D	-	400	700	8.00	8	40	2000	5	1.00	2000	400	TO-220
MJE13007-M	-	400	700	8.00	8	40	2000	5	1.00	2000	400	TO-220
MJE13007-P	-	400	700	8.00	8	40	2000	5	1.00	2000	400	TO-220
MJE13007-Q	-	400	700	8.00	8	40	2000	5	1.00	2000	400	TO-220
MJE13009-Q	-	400	700	8.00	5	30	5000	5	2.00	5000	1000	TO-220
MJE13009	-	400	700	12.00	-	40	5000	5	1.00	5000	1000	TO-220 TO-220F TO-3P
MJE13009D	-	400	700	12.00	8	40	5000	5	1.00	5000	1000	TO-220
MJE13009-K	-	400	700	12.00	-	40	5000	5	1.00	5000	1000	TO-220 TO-3P
MJE13009-P	-	400	700	12.00	-	40	5000	5	1.00	5000	1000	TO-220 TO-3P
MPSA44H	-	400	800	0.30	82	240	10	10	0.50	10	1	SOT-89 TO-92
5302	-	400	800	2.00	10	30	400	5	1.50	1000	250	TO-251
5302D	-	400	800	2.00	10	30	400	5	1.50	1000	250	SOT-223 TO-92 TO-126 TO-251 TO-252
T2096	-	400	800	2.00	120	180	200	5	0.80	1000	200	TO-251 TO-252
13005BA	-	400	800	3.00	8	40	2000	5	0.50	1000	200	TO-92
2SC5305	-	400	800	5.00	22	-	800	1	0.40	800	80	TO-220 TO-220F
13005EC	-	400	850	4.00	8	40	2000	5	0.50	1000	200	TO-126 TO-251
13003CDH	-	400	900	1.50	5	30	1000	5	0.50	500	100	TO-92 TO-126 TO-251
MJE13003-H	-	400	900	1.50	5	30	1000	5	0.50	500	100	TO-92 TO-92NL TO-126 TO-126C TO-126S TO-251 TO-252 TO-220
MJE13005-H	-	400	900	4.00	15	50	500	5	0.50	1000	200	TO-92
13002AH	-	450	700	0.50	25	35	100	5	0.40	200	40	TO-92 TO-126 TO-251
13003ADA	-	450	700	1.50	8	40	200	10	0.80	500	100	TO-92 TO-126 TO-251

TRANSISTOR

Part No.		Maximum Ratings			Electrical Characteristics							Package
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)			
					SPEC.		Conditions		SPEC.	Conditions		
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	
13003BDG	-	450	800	1.50	20	40	200	5	0.80	500	100	TO-92 TO-126 TO-251
13003BS	-	450	800	2.00	20	35	200	5	0.80	500	100	TO-92 TO-126 TO-251
TUL1102	-	450	1100	4.00	12	20	2000	5	1.50	2000	400	TO-251 TO-252 TO-263 TO-220 TO-220F1
13003EDA	-	500	850	1.30	23	35	200	5	0.80	500	100	TO-92 TO-126 TO-251
TUL1203	-	550	1400	5.00	9	28	2000	5	0.70	2000	400	TO-220
-	2SA1627	600	600	1.00	30	120	100	5	0.50	300	60	TO-126
-	2SA1627A	600	600	1.00	30	120	100	5	1.50	300	60	SOT-223 TO-126 TO-126C TO-251 TO-252
2SC5027E	-	700	750	3.00	10	40	200	5	2.00	1500	300	TO-220 TO-220F TO-220F1 TO-220F2
2SC5353	-	700	900	3.00	10	-	1	5	1.00	1200	240	TO-126 TO-126C TO-220 TO-220F TO-220F1
BU208A	-	700	1500	8.00	8	-	1000	5	1.00	4500	2000	TO-3P
BU508AFI	-	700	1500	8.00	6	30	100	5	1.00	4500	2000	TO-3P
UT2274	-	720	1400	1.00	15	35	100	5	1.50	250	50	TO-92 TO-126 TO-251
2SC5353B	-	750	900	3.00	10	-	1	5	1.00	1200	240	TO-126 TO-126C TO-251 TO-252 TO-220 TO-220F TO-220F1
2SC5027	-	800	850	3.00	10	40	200	5	2.00	1500	300	TO-220 TO-220F
2SC3149	-	800	1200	0.50	10	40	100	5	0.80	200	40	TO-126
C6084	-	800	1500	5.00	10	25	500	5	3.00	2700	540	TO-126 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-3P

PNP (-)bypass

Darlington Transistor

Part No.		Maximum Ratings			Electrical Characteristics								Package	
NPN	PNP	BV _{CEO} (V)	BV _{CBO} (V)	I _C (A)	h _{FE}				V _{CE(Sat)} (V)					
					SPEC.		Conditions		SPEC.		Conditions			f _T
					MIN	MAX	I _C (mA)	V _{CE} (V)	MAX	I _C (mA)	I _B (mA)	MIN. (MHz)		
MMBTA13	-	30	30	0.5	10000	-	100	5	1.50	100	0.1	125	SOT-23	
MMBTA14	-	30	30	0.5	20000	-	100	5	1.50	100	0.1	125	SOT-323 SOT-23	
MPSA13	-	30	30	0.5	10000	-	100	5	1.50	100	0.1	125	SOT-89 TO-92	
MPSA14	-	30	30	0.5	20000	-	100	5	1.50	100	0.1	125	SOT-89 TO-92	
MPSA113	-	30	30	0.5	30000	-	100	5	1.50	100	0.1	125	SOT-89 TO-92	
PZTA14	-	30	30	0.5	20000	-	100	5	1.50	100	0.1	125	SOT-223	
-	TIP110A	35	45	10.0	1000	60000	10000	2	2.00	10000	100.0	-	TO-220	
2SD2686	-	60	50	1.0	2000	-	1000	2	1.50	1000	1.0	-	SOT-89	
MPSA29	-	100	100	0.5	10000	-	100	5	1.50	100	0.1	125	TO-92	
TIP112	-	100	100	2.0	1000	-	1000	4	2.50	2000	8.0	-	TO-126 TO-252 TO-220	
TIP122	-	100	100	5.0	1000	-	3000	3	2.00	3000	12.0	-	TO-126 TO-252 TO-220 TO-220F	
-	TIP127	100	100	5.0	1000	-	3000	3	2.00	3000	12.0	-	TO-126 TO-126S TO-252 TO-220 TO-220F	
TIP102	-	100	100	8.0	1000	20000	3000	4	2.00	3000	6.0	-	TO-252 TO-220	
-	TIP107	100	100	8.0	1000	20000	3000	4	2.00	3000	6.0	-	TO-126 TO-126S TO-252 TO-220 TO-220F	
UD2195	-	120	130	4.0	1000	-	1000	4	2.00	2000	2.0	-	SOT-89	
UDT1605	-	120	140	1.0	2000	-	1000	5	1.50	1000	1.0	150	SOT-89	
BTC1510F3	-	150	150	10.0	2000	20000	5000	3	1.50	5000	10.0	-	TO-251 TO-252 TO-263 TO-220 TO-220F TO-220F1	
BU931Z	-	350	-	10.0	300	-	5000	10	1.60	7000	70.0	-	TO-220 TO-3P	
BU941Z	-	350	-	15.0	300	-	5000	10	1.60	8000	100.0	-	TO-220 TO-263 TO-3P	
BU931	-	400	500	15.0	300	-	5000	10	1.60	7000	70.0	-	TO-263 TO-3P	
BU941	-	400	500	15.0	300	-	5000	10	1.60	8000	100.0	-	TO-220 TO-263 TO-3P	
2SD1071	-	300	300	6.0	500	-	4000	2	1.50	4000	15.0	-	TO-220	

PNP (-)bypass

Digital Transistor

PNP	NPN	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package
		V _{CEO} (V)	I _C (mA)	G _I (h _{FE})				Resistor		
				Specification		Conditions		Typical		
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)	
DTC123E	DTA123E	50	100	20	-	20	5	2.2	2.2	SOT-523 SOT-323 SOT-23 TO-92
DTC143E	DTA143E	50	100	20	-	10	5	4.7	4.7	SOT-723 SOT-523 SOT-323 SOT-23 TO-92
DTC114E	DTA114E	50	100	30	-	5	5	10.0	10.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC124E	DTA124E	50	100	56	-	5	5	22.0	22.0	SOT-523 SOT-323 SOT-23 TO-92
DTC144E	DTA144E	50	100	68	-	5	5	47.0	47.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC115E	DTA115E	50	100	82	-	5	5	100.0	100.0	SOT-523 SOT-323 SOT-23
DTD123E*	DTB123E	50	500	39	-	50	5	2.2	2.2	SOT-23
DTD143E	DTB143E	50	500	47	-	50	5	4.7	4.7	SOT-723 SOT-323 SOT-23 TO-92
DTD114E	DTB114E	50	500	56	-	50	5	10.0	10.0	SOT-323 SOT-23
DTC123Y	DTA123Y	50	100	33	-	10	5	2.2	10.0	SOT-523 SOT-323 SOT-23
DTC123J	DTA123J	50	100	80	-	10	5	2.2	47.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC143X	DTA143X	50	100	30	-	10	5	4.7	10.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC143Z	DTA143Z	50	100	80	-	10	5	4.7	47.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC114W*	DTA114W	50	100	24	-	10	5	10.0	4.7	SOT-523
DTC114Y	DTA114Y	50	100	68	-	5	5	10.0	47.0	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC124X*	DTA124X*	50	100	68	-	5	5	22.0	47.0	SOT-323 SOT-23
DTC144V	DTA144V*	50	100	33	-	5	5	47.0	10.0	SOT-323 SOT-23
DTC144W*	DTA144W*	50	100	56	-	5	5	47.0	22.0	SOT-323 SOT-23
DTD113Z	DTB113Z	50	500	56/82	-	50	5	1.0	10.0	SOT-323 SOT-23 TO-92
DTD123Y	DTB123Y	50	500	56	-	50	5	2.2	10.0	TO-323 TO-23 TO-92
DTC113T	DTA113T	50	100	100	-	1	5	1.0	None	SOT-523 SOT-323 SOT-23
DTC143T	DTA143T	50	100	100	600	1	5	4.7	None	SOT-523 SOT-323 SOT-23 TO-92
DTC114T	DTA114T	50	100	100	600	1	5	10.0	None	SOT-523 SOT-323 SOT-23 TO-92 TO-92SP
DTC124T	DTA124T	50	100	100	600	1	5	22.0	None	SOT-323 SOT-23
DTC144T	DTA144T	50	100	100	600	1	5	47.0	None	SOT-523 SOT-323 SOT-23
DTC115T	DTA115T	50	100	100	600	1	5	100.0	None	SOT-23
DTC125T*	DTA125T*	50	100	100	600	1	5	200.0	None	SOT-323 SOT-23
DTD114T*	DTB114T*	40	500	100	600	50	5	2.2	None	SOT-23
DTD123T*	DTB123T*	40	500	100	600	50	5	4.7	None	SOT-23
DTD143T*	DTB143T*	40	500	100	600	50	5	10.0	None	SOT-23
DTC114G*	DTA114G*	50	100	30	-	5	5	None	10.0	SOT-23
DTC124G*	DTA124G*	50	100	68	-	5	5	None	22.0	SOT-23
DTC144G*	DTA144G*	50	100	68	-	5	5	None	47.0	SOT-23
DTC115G*	DTA115G*	50	100	68	-	5	5	None	100.0	SOT-23
DTD114G*	DTB114G*	40	500	56	-	5	5	None	10.0	SOT-23

PNP (-)bypass

Dual Chip Transistor

Complex Bipolar Transistor

Part No.	Configura-tion	Maximum Ratings			Electrical Characteristics (TA=25°C)							Package	Type Part
		BVCEO (V)	BVCBO (V)	IC (mA)	hFE		VCE(Sat)(V)						
					SPEC.		Conditions		SPEC.	Conditions			
					MIN	MAX	IC (mA)	VCE (V)	MAX	IC (mA)	IB (mA)		
UMT18N*	PNP+PNP	12	15	500	270	680	10	2	0.25	200	10	SOT-363	2SA2018*2
US6X7*	NPN+NPN	12	15	1500	270	680	200	2	0.2	500	25	DFN-6(2X2)	-
IMX4*	NPN+NPN	18	30	50	27	270	10	10	0.5	20	4	SOT-26	-
MMDT8050S	NPN+NPN	20	30	700	100	400	1	1	0.5	500	50	SOT-363	8050S×2
IMZ88	NPN+PNP	20	30	700	120	400	150	1	0.5	500	50	SOT-26	8050S+8550S
MMDT2907A	NPN+PNP	30	60	500	30	-	300	10	0.4	150	15	SOT-363	-
US6X8*	NPN+NPN	30	30	1000	270	680	100	2	0.35	500	25	DFN-6(2X2)	-
MMDT8150*	NPN+NPN	32	40	800	180	560	100	1	0.3	400	20	SOT-363	-
MMDT3906	PNP+PNP	40	40	200	100	300	10	1	0.4	50	5	SOT-363	MMBT3906×2
MMDT4403*	PNP+PNP	40	40	600	100	300	150	2	0.4	150	15	SOT-363	MMBT4403×2
PUMX1	NPN+NPN	40	50	100	120	-	1	6	0.2	50	5	SOT-363	-
PUMT1	PNP+PNP	40	50	100	120	-	1	6	0.2	50	5	SOT-363	-
PUMZ1	NPN+PNP	40	50	100	120	-	1	6	0.2	50	5	SOT-363	-
MMDT3946	NPN+PNP	40	60(NPN) 40(PNP)	200	100	300	10	1	0.3(NPN) 0.4(PNP)	50	5	SOT-363	MMBT3904+ MMBT3906
MMDT3904	NPN+NPN	40	60	200	100	300	10	1	0.3	50	5	SOT-363	MMBT3904×2
MMDT4413*	NPN+PNP	40	60(NPN) 40(PNP)	600	100	300	150	1(NPN) 2(PNP)	0.4	150	15	SOT-363	MMBT4401+ MMBT4403
MMDT2227	NPN+PNP	40(NPN) 60(PNP)	75(NPN) 60(PNP)	600	100	300	150	10	0.3(NPN) 0.4(PNP)	150	15	SOT-363	MMBT2222A+ MMBT2907A
MMDT2222A	NPN+NPN	40	75	600	100	300	150	10	0.3	150	15	SOT-363	MMBT2222A×2
BC847BS	NPN+NPN	45	50	100	200	450	2	5	0.25	10	0.5	SOT-363	BC847B×2
BC857BS*	PNP+PNP	45	50	100	200	450	2	5	0.3	10	0.5	SOT-363	BC857B×2
BC847PN*	NPN+PNP	45	50	100	200	450	2	5	0.25(NPN) 0.30(PNP)	10	0.5	SOT-363	BC847B+ BC857B
QS6Z5*	NPN+PNP	50	50	1000	180	450	50	2	0.35(NPN) 0.40(PNP)	500	25	SOT-26	-
UMZ1N	NPN+PNP	50	60	150	120	560	1	6	0.4(NPN) 0.5(PNP)	50	5	SOT-363	-
UMT1N	PNP+PNP	50	60	150	120	560	1	6	0.5	50	5	SOT-363	-
UMY1N	PNP+PNP	50	60	150	120	560	1	6	0.5	50	5	SOT-353	-
EMY1*	NPN+PNP	50	60	150	120	560	1	6	0.4(NPN) 0.5(PNP)	50	5	SOT-553	-
IMT2A	PNP+PNP	50	60	150	120	560	1	6	0.5	50	5	SOT-26	-
IMT3A*	PNP+PNP	50	60	150	120	560	1	6	0.5	50	5	SOT-26	-
IMZ2A	NPN+PNP	50	60	150	120	560	1	6	0.4(NPN) 0.5(PNP)	50	5	SOT-363	-
IMZ2A	NPN+PNP	50	60	150	120	560	1	6	0.4(NPN) 0.5(PNP)	50	5	SOT-26	-
IMX2	NPN+NPN	50	60	150	120	560	1	6	0.4	50	5	SOT-26	-
IMX17*	NPN+NPN	50	60	500	120	390	100	3	0.6	500	50	SOT-26	-
IMT17*	PNP+PNP	50	60	500	120	390	100	3	0.6	500	50	SOT-26	-
BC846AS	NPN+NPN	65	80	100	110	220	2	5	0.25	10	0.5	SOT-363	-
BC856AS	PNP+PNP	65	80	100	125	250	2	5	0.3	10	1	SOT-363	-
BD2378	NPN+PNP	80	100	2000	40	-	150	2	0.6	1000	100	DFB-8(5X6)	-
IMX8*	NPN+NPN	120	120	50	180	820	2	6	0.5	10	1	SOT-26	-
MMDT5401	PNP+PNP	150	160	600	80	400	10	5	0.5	50	5	SOT-363	MMBT5401×2
MMDT5451*	NPN+PNP	160(NPN) 150(PNP)	180(NPN) 160(PNP)	600	80	400	10	5	0.2(NPN) 0.5(PNP)	50	5	SOT-363	MMBT5551+ MMBT5401
MMDT5551	NPN+NPN	180	180	600	80	400	10	5	0.2	50	5	SOT-363	MMBT5551×2

PNP (-)bypass

Dual Chip Transistor

Complex Digital Transistor

Part No.	Configuration	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package	Equivalent Part No.
		V _{CE0} (V)	I _C (mA)	G _I (h _{FE})				Resistor			
				Specification		Conditions		Typical			
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)		
UA1J*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-353	DTA124E*2
UA1G*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-25	DTA124E*2
UA1K*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-363	DTA124E*2
UA1H*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-26	DTA124E*2
UA2J*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-353	DTA144E*2
UA2G*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-25	DTA144E*2
UA2K*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-363	DTA144E*2
UA2H*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-26	DTA144E*2
UA5J*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-353	DTA123J*2
UA5G*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-25	DTA123J*2
UA5K*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-363	DTA123J*2
UA5H*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-26	DTA123J*2
UA7J*	PNP+PNP	50	100	30	-	10	5	4.7	10.0	SOT-353	DTA143X*2
UA7G*	PNP+PNP	50	100	30	-	10	5	4.7	10.0	SOT-25	DTA143X*2
UA7K*	PNP+PNP	50	100	30	-	10	5	4.7	10.0	SOT-363	DTA143X*2
UA7H*	PNP+PNP	50	100	30	-	10	5	4.7	10.0	SOT-26	DTA143X*2
UA8J*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-353	DTA114Y*2
UA8G*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-25	DTA114Y*2
UA8K*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-363	DTA114Y*2
UA8H*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-26	DTA114Y*2
UA9J*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-353	DTA114E*2
UA9G*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-25	DTA114E*2
UA9K*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-363	DTA114E*2
UA9H*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-26	DTA114E*2
UA11J	PNP+PNP	50	100	80	-	10	5	4.7	47.0	SOT-353	DTA143Z*2
UA11G*	PNP+PNP	50	100	80	-	10	5	4.7	47.0	SOT-25	DTA143Z*2
UA11K*	PNP+PNP	50	100	80	-	10	5	4.7	47.0	SOT-363	DTA143Z*2
UA11H*	PNP+PNP	50	100	80	-	10	5	4.7	47.0	SOT-26	DTA143Z*2
UA3J*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-353	DTA143T*2
UA3G*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-25	DTA143T*2
UA3K*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-363	DTA143T*2
UA3H*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-26	DTA143T*2
UA4J*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-353	DTA114T*2
UA4G*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-25	DTA114T*2
UA4K*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-363	DTA114T*2
UA4H*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-26	DTA114T*2
UA6J*	PNP+PNP	50	100	100	600	1	5	47.0	None	SOT-353	DTA144T*2
UA6G*	PNP+PNP	50	100	100	600	1	5	47.0	None	SOT-25	DTA144T*2
UA6K	PNP+PNP	50	100	100	600	1	5	47.0	None	SOT-363	DTA144T*2
UA6H*	PNP+PNP	50	100	100	600	1	5	47.0	None	SOT-26	DTA144T*2
UB1J*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-353	DTA124E*2
UB1G*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-25	DTA124E*2
UB1K*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-363	DTA124E*2
UB1H*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-26	DTA124E*2
UB2J*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-353	DTA144E*2

Dual Chip Transistor

Part No.	Configuration	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package	Equivalent Part No.
		V _{CEO} (V)	I _C (mA)	G _I (h _{FE})				Resistor			
				Specification		Conditions		Typical			
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)		
UB2G*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-25	DTA144E*2
UB2K	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-363	DTA144E*2
UB2H*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-26	DTA144E*2
UB9J*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-353	DTA114Y*2
UB9G*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-25	DTA114Y*2
UB9K*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-363	DTA114Y*2
UB9H*	PNP+PNP	50	100	68	-	5	5	10.0	47.0	SOT-26	DTA114Y*2
UB10J*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-353	DTA123J*2
UB10G*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-25	DTA123J*2
UB10K*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-363	DTA123J*2
UB10H*	PNP+PNP	50	100	80	-	10	5	2.2	47.0	SOT-26	DTA123J*2
UB11J*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-353	DTA114E*2
UB11G*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-25	DTA114E*2
UB11K*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-363	DTA114E*2
UB11H*	PNP+PNP	50	100	30	-	5	5	10.0	10.0	SOT-26	DTA114E*2
UB5J*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-353	DTA124E*2
UB5G*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-25	DTA124E*2
UB5K*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-363	DTA124E*2
UB5H*	PNP+PNP	50	100	56	-	5	5	22.0	22.0	SOT-26	DTA124E*2
UB6J*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-353	DTA144E*2
UB6G*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-25	DTA144E*2
UB6K*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-363	DTA144E*2
UB6H*	PNP+PNP	50	100	68	-	5	5	47.0	47.0	SOT-26	DTA144E*2
UB3J*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-353	DTA143T*2
UB3G*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-25	DTA143T*2
UB3K*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-363	DTA143T*2
UB3H*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-26	DTA143T*2
UB4J*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-353	DTA114T*2
UB4G*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-25	DTA114T*2
UB4K*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-363	DTA114T*2
UB4H*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-26	DTA114T*2
UB7J*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-353	DTA143T*2
UB7G*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-25	DTA143T*2
UB7K*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-363	DTA143T*2
UB7H*	PNP+PNP	50	100	100	600	1	5	4.7	None	SOT-26	DTA143T*2
UB8J*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-353	DTA114T*2
UB8G*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-25	DTA114T*2
UB8K*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-363	DTA114T*2
UB8H*	PNP+PNP	50	100	100	600	1	5	10.0	None	SOT-26	DTA114T*2
UT3PP	PNP+PNP	50	100	100	-	1	5	1.0	None	SOT-363	DTA113T*2
UG1J*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-353	DTC124E*2
UG1G*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-25	DTC124E*2
UG1K*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-363	DTC124E*2
UG1H*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-26	DTC124E*2
UG2J*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-353	DTC144E*2

Dual Chip Transistor

Part No.	Configuration	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package	Equivalent Part No.
		V _{CEO} (V)	I _C (mA)	G _I (h _{FE})				Resistor			
				Specification		Conditions		Typical			
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)		
UG2G*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-25	DTC144E*2
UG2K*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-363	DTC144E*2
UG2H*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-26	DTC144E*2
UG5J	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-353	DTC114Y*2
UG5G*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-25	DTC114Y*2
UG5K	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-363	DTC114Y*2
UG5H*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-26	DTC114Y*2
UG8J	NPN+NPN	50	100	80	-	10	5	4.7	47.0	SOT-353	DTC143Z*2
UG8G*	NPN+NPN	50	100	80	-	10	5	4.7	47.0	SOT-25	DTC143Z*2
UG8K*	NPN+NPN	50	100	80	-	10	5	4.7	47.0	SOT-363	DTC143Z*2
UG8H*	NPN+NPN	50	100	80	-	10	5	4.7	47.0	SOT-26	DTC143Z*2
UG9J	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-353	DTC114E*2
UG9G*	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-25	DTC114E*2
UG9K	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-363	DTC114E*2
UG9H	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-26	DTC114E*2
UG11J*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-353	DTC123J*2
UG11G*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-25	DTC123J*2
UG11K*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-363	DTC123J*2
UG11H*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-26	DTC123J*2
UG3J*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-353	DTC143T*2
UG3G*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-25	DTC143T*2
UG3K	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-363	DTC143T*2
UG3H*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-26	DTC143T*2
UG4J	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-353	DTC114T*2
UG4G*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-25	DTC114T*2
UG4K*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-363	DTC114T*2
UG4H*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-26	DTC114T*2
UG6J*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-353	DTC144T*2
UG6G*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-25	DTC144T*2
UG6K*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-363	DTC144T*2
UG6H*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-26	DTC144T*2
UH1J*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-353	DTC124E*2
UH1G*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-25	DTC124E*2
UH1K*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-363	DTC124E*2
UH1H*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-26	DTC124E*2
UH2J*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-353	DTC144E*2
UH2G*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-25	DTC144E*2
UH2K*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-363	DTC144E*2
UH2H*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-26	DTC144E*2
UH11J*	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-353	DTC114E*2
UH11G*	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-25	DTC114E*2
UH11K	NPN+NPN	50	100	35	-	5	10	10.0	10.0	SOT-563 SOT-363	DTC114E*2
UH11H*	NPN+NPN	50	100	30	-	5	5	10.0	10.0	SOT-26	DTC114E*2
UH9J*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-353	DTC114Y*2
UH9G*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-25	DTC114Y*2

Dual Chip Transistor

Part No.	Configuration	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package	Equivalent Part No.
		V _{CEO} (V)	I _C (mA)	G _I (h _{FE})				Resistor			
				Specification		Conditions		Typical			
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)		
UH9K*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-363	DTC114Y*2
UH9H*	NPN+NPN	50	100	68	-	5	5	10.0	47.0	SOT-26	DTC114Y*2
UH10J*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-353	DTC123J*2
UH10G*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-25	DTC123J*2
UH10K	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-363	DTC123J*2
UH10H*	NPN+NPN	50	100	80	-	10	5	2.2	47.0	SOT-26	DTC123J*2
UH5J*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-353	DTC124E*2
UH5G*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-25	DTC124E*2
UH5K*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-363	DTC124E*2
UH5H*	NPN+NPN	50	100	56	-	5	5	22.0	22.0	SOT-26	DTC124E*2
UH6J*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-353	DTC144E*2
UH6G*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-25	DTC144E*2
UH6K*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-363	DTC144E*2
UH6H*	NPN+NPN	50	100	68	-	5	5	47.0	47.0	SOT-26	DTC144E*2
UH3J*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-353	DTC143T*2
UH3G*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-25	DTC143T*2
UH3K*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-363	DTC143T*2
UH3H*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-26	DTC143T*2
UH4J*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-353	DTC114T*2
UH4G*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-25	DTC114T*2
UH4K	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-363	DTC114T*2
UH4H*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-26	DTC114T*2
UH15J*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-353	DTC144T*2
UH15G*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-25	DTC144T*2
UH15K*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-363	DTC144T*2
UH15H*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-26	DTC144T*2
UH7J*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-353	DTC143T*2
UH7G*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-25	DTC143T*2
UH7K*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-363	DTC143T*2
UH7H*	NPN+NPN	50	100	100	600	1	5	4.7	None	SOT-26	DTC143T*2
UH8J*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-353	DTC114T*2
UH8G*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-25	DTC114T*2
UH8K*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-363	DTC114T*2
UH8H*	NPN+NPN	50	100	100	600	1	5	10.0	None	SOT-26	DTC114T*2
UH14J*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-353	DTC144T*2
UH14G*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-25	DTC144T*2
UH14K*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-363	DTC144T*2
UH14H*	NPN+NPN	50	100	100	600	1	5	47.0	None	SOT-26	DTC144T*2
UD2J*	NPN+PNP	50	100	56	-	5	5	22.0	22.0	SOT-353	DTC124E+DTA124E
UD2G*	NPN+PNP	50	100	56	-	5	5	22.0	22.0	SOT-25	DTC124E+DTA124E
UD2K*	NPN+PNP	50	100	56	-	5	5	22.0	22.0	SOT-363	DTC124E+DTA124E
UD2H*	NPN+PNP	50	100	56	-	5	5	22.0	22.0	SOT-26	DTC124E+DTA124E
UD3J*	NPN+PNP	50	100	30	-	5	5	10.0	10.0	SOT-353	DTC114E+DTA114E
UD3G*	NPN+PNP	50	100	30	-	5	5	10.0	10.0	SOT-25	DTC114E+DTA114E
UD3K	NPN+PNP	50	100	30	-	5	5	10.0	10.0	SOT-363	DTC114E+DTA114E

Dual Chip Transistor

Part No.	Configuration	Maximum Ratings		Electrical Characteristics (T _A =25°C)						Package	Equivalent Part No.
		V _{CEO} (V)	I _C (mA)	G _I (h _{FE})				Resistor			
				Specification		Conditions		Typical			
				MIN	MAX	I _O (mA)	V _O (V)	R1 (KΩ)	R2 (KΩ)		
UD3H*	NPN+PNP	50	100	30	-	5	5	10.0	10.0	SOT-26	DTC114E+DTA114E
UD5J*	NPN+PNP	50	100	30 68	-	10 5	5	4.7 47.0	10.0 47.0	SOT-353	DTC143X+DTA144E
UD5G*	NPN+PNP	50	100	30 68	-	10 5	5	4.7 47.0	10.0 47.0	SOT-25	DTC143X+DTA144E
UD5K*	NPN+PNP	50	100	30 68	-	10 5	5	4.7 47.0	10.0 47.0	SOT-363	DTC143X+DTA144E
UD5H*	NPN+PNP	50	100	30 68	-	10 5	5	4.7 47.0	10.0 47.0	SOT-26	DTC143X+DTA144E
UD9J	NPN+PNP	50	100	56	-	5	5	10.0	47.0	SOT-353	DTC114Y+DTA114Y
UD9G*	NPN+PNP	50	100	68	-	5	5	10.0	47.0	SOT-25	DTC114Y+DTA114Y
UD9K*	NPN+PNP	50	100	68	-	5	5	10.0	47.0	SOT-363	DTC114Y+DTA114Y
UD9H*	NPN+PNP	50	100	68	-	5	5	10.0	47.0	SOT-26	DTC114Y+DTA114Y
UD12J*	NPN+PNP	50	100	68	-	5	5	47.0	47.0	SOT-353	DTC144E+DTA144E
UD12G*	NPN+PNP	50	100	68	-	5	5	47.0	47.0	SOT-25	DTC144E+DTA144E
UD12K	NPN+PNP	50	100	68	-	5	5	47.0	47.0	SOT-363	DTC144E+DTA144E
UD12H*	NPN+PNP	50	100	68	-	5	5	47.0	47.0	SOT-26	DTC144E+DTA144E
UD1J*	NPN+PNP	50	100	100	600	1	5	22.0	None	SOT-353	DTC124T+DTA124T
UD1G*	NPN+PNP	50	100	100	600	1	5	22.0	None	SOT-25	DTC124T+DTA124T
UD1K*	NPN+PNP	50	100	100	600	1	5	22.0	None	SOT-363	DTC124T+DTA124T
UD1H*	NPN+PNP	50	100	100	600	1	5	22.0	None	SOT-26	DTC124T+DTA124T
UD6J*	NPN+PNP	50	100	100	600	1	5	4.7	None	SOT-353	DTC143T+DTA143T
UD6G*	NPN+PNP	50	100	100	600	1	5	4.7	None	SOT-25	DTC143T+DTA143T
UD6K*	NPN+PNP	50	100	100	600	1	5	4.7	None	SOT-363	DTC143T+DTA143T
UD6H*	NPN+PNP	50	100	100	600	1	5	4.7	None	SOT-26	DTC143T+DTA143T
UD8J*	NPN+PNP	50	100	100	600	1	5	47.0	None	SOT-353	DTC144T+DTA144T
UD8G*	NPN+PNP	50	100	100	600	1	5	47.0	None	SOT-25	DTC144T+DTA144T
UD8K*	NPN+PNP	50	100	100	600	1	5	47.0	None	SOT-363	DTC144T+DTA144T
UD8H*	NPN+PNP	50	100	100	600	1	5	47.0	None	SOT-26	DTC144T+DTA144T
UD16J*	NPN+PNP	50	100 500	100 39	600 -	1 50	5	100.0 2.2	None 2.2	SOT-353	DTC115T+DTB123E
UD16G*	NPN+PNP	50	100 500	100 39	600 -	1 50	5	100.0 2.2	None 2.2	SOT-25	DTC115T+DTB123E
UD16K*	NPN+PNP	50	100 500	100 39	600 -	1 50	5	100.0 2.2	None 2.2	SOT-363	DTC115T+DTB123E
UD16H*	NPN+PNP	50	100 500	100 39	600 -	1 50	5	100.0 2.2	None 2.2	SOT-26	DTC115T+DTB123E
UD22J*	NPN+PNP	50	100	80	-	10	5	4.7	47.0	SOT-353	DTC143Z+DTA143Z
UD22G*	NPN+PNP	50	100	80	-	10	5	4.7	47.0	SOT-25	DTC143Z+DTA143Z
UD22K	NPN+PNP	50	100	80	-	10	5	4.7	47.0	SOT-363	DTC143Z+DTA143Z
UD22H	NPN+PNP	50	100	80	-	10	5	4.7	47.0	SOT-26	DTC143Z+DTA143Z
DBC2315	NPN+PNP	50	100 500	100 56	600 -	1 50	5	100.0 2.2	None 10.0	SOT-26	DTB123Y+DTC115T

PNP (-)bypass

JFET

Part No.	Maximum Ratings			Electrical Characteristics (T _A =25°C)										Package
	V _{GDO} (V)	I _G (mA)	I _D (mA)	Y _{FS}		I _{DSS}				V _{GS(off)}				
				SPEC.		SPEC.		Conditions		SPEC.		Conditions		
				MIN (mS)	Typ (mS)	MIN (uA)	MAX (uA)	V _{DS} (V)	V _{GS} (V)	MIN (V)	MAX (V)	V _{DS} (V)	I _D (uA)	
K596	-20	10	1	0.40	1.20	100	800	5	0	-	-1.5	5	1	TO-92SP
K1109	-20	10	10	0.60	1.60	40	600	2	0	-0.1	-1.0	5	1	SOT-723 SOT-23
TF202	-20	10	10	-	1.43	100	350	2	0	-	-0.38(Typ)	2	1	SOT-113 SOT-113S SOT-723 SOT-523 SOT-23
TF212	-20	10	1	1.00	1.20	140	350	5	0	-0.2	-1.2	5	1	SOT-723 SOT-133S SOT-523
TF215	-20	10	1	0.80	1.20	100	350	5	0	-0.2	-1.0	5	1	SOT-523
TF218	-20	10	1	0.65	1.00	100	350	5	0	-0.2	-1.0	5	1	SOT-723 SOT-523
TF2123	-20	10	10	-	1.43	100	350	2	0	-	-0.38(Typ)	2	1	SOT-723 SOT-523 SOT-23
K4059	-20	10	-	1.35	1.85	140	500	2	0	-0.1	-1.0	2	1	SOT-723
K1875	-20	10	-	15	25	600	3200	5	0	-	-2.5	5	1	SOT-323 SOT-23
2SK508	-15	5	50	14.00	19.00	10000	50000	5	0	-0.6	-3.5	5	10	SOT-23
2SK303	-30	10	20	2.50	6.00	600	12000	10	0	-1.0(Typ)	-4.0	10	1	SOT-113 SOT-723 SOT-23 TO-92
2SK2751	-40	2	10	2.50	-	1400	4700	10	0	-	-	-	-	SOT-323 SOT-23
2SK545	-40	10	1	0.05	0.13	30	300	10	0	-1.5(Typ)	-4.0	10	1	SOT-23
UJ0100	-30	10	20	2.50	6.00	600	2500	10	0	-1.0(Typ)	-4.0	10	1	SOT-23
2SK3666	-30	10	10	3.00	6.50	600	6000	10	0	-0.18	-2.2	10	1	SOT-23

Combo Power MOSFET

Part No.	Configuration	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}				V _{GS(th)} (V)		Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	1.8V	MIN.	MAX.	
		(V)	(±V)	(A)	MAX	MAX	MAX	MAX			
UT8205A	Dual N	20	±12	6.0	-	28	38	-	0.5	1.5	SOT-26 SOP-8 TSSOP-8
UT8205AZ	Dual N	20	±12	6.0	-	28	38	-	0.5	1.5	SOT-26 SOP-8 TSSOP-8
UD9926	Dual N	20	±10	6.0	-	32	45	-	0.5	1.5	TSSOP-8 SSOP-8
UT6898	Dual N	20	±12	9.4	-	14	18	-	0.5	1.5	SOP-8
UD8814-H*	Dual N	20	±12	7.5	-	18	24	-	0.5	1.0	TSSOP-8
UK3018BW	Dual N	30	±20	0.1	-	8000 (V _{GS} =4.0V)	13000	-	0.8	1.5	SOT-353
UM6K1N	Dual N	30	±20	0.1	-	8000 (V _{GS} =4.0V)	13000	-	0.8	1.5	SOT-363
QS8K2*	Dual N	30	±20	3.5	-	54	-	-	0.5	1.5	DFN-8(3X3)
QS8K11*	Dual N	30	±20	3.5	50	65	-	-	1.0	2.5	DFN-8(3X3)
QS8K12*	Dual N	30	±20	4.0	42	56	-	-	1.0	2.5	DFN-8(3X3)
SH8K11*	Dual N	30	±20	3.5	98	126	-	-	1.0	2.5	SOP-8
SH8K12*	Dual N	30	±20	5.0	42	56	-	-	1.0	2.5	SOP-8
QS8K13*	Dual N	30	±20	6.0	28	35	-	-	1.0	2.5	DFN-8(3X3)
SH8K13*	Dual N	30	±20	6.0	31	42	-	-	1.0	2.5	SOP-8
UT7317	Dual N	30	±20	6.0	28	42	-	-	1.0	2.0	SOP-8
UT4812	Dual N	30	±20	6.9	28	42	-	-	1.0	3.0	SOP-8
UT4812Z	Dual N	30	±20	6.9	28	42	-	-	1.0	3.0	TSSOP-8 SOP-8
SH8K14*	Dual N	30	±20	7.0	28	35	-	-	1.0	2.5	SOP-8
SH8K15*	Dual N	30	±20	9.0	21	25	-	-	1.0	2.5	SOP-8
UT4822	Dual N	30	±20	8.5	16	26	-	-	1.0	3.0	DFN-8(5X6) SOP-8
UT4232	Dual N	30	±20	7.8	22	32	-	-	1.0	3.0	SOP-8
UDA03R075M	Dual N	30	±20	32 30	7.5 5.5	12.4 7.0	-	-	1.0	3.0	TDFN-8(5X6)
UD4840-H	Dual N	40	±20	6.0	32	42	-	-	1.5	3.0	SOP-8
QS8K21*	Dual N	45	±20	4.0	53	67	-	-	1.0	2.5	DFN-8(3X3)
2N7002KDW*	Dual N	60	±20	0.115	3000	4000	-	-	1.0	2.5	SOT-363
UM6K31N	Dual N	60	±20	0.25	2400	3000	-	-	1.0	2.5	SOT-363
2N7002DW-Q	Dual N	60	±20	0.3	2500	-	-	-	1.0	2.5	SOT-363
2N7002DW	Dual N	60	±20	0.3	13500	-	-	-	1.0	2.5	SOT-363
2N7002ZDW	Dual N	60	±20	0.3	13500	-	-	-	1.0	2.5	SOT-363
UP9971	Dual N	60	±25	5.0	60	72	-	-	1.5	3.0	SOP-8 DIP-8
12NN10	Dual N	100	±20	2.5	180	-	-	-	1.0	3.0	SOP-8
10NN15	Dual N	150	±20	3.0	400	-	-	-	2.0	4.0	SOP-8
1NN60-CB	Dual N	600	±30	1.0	9500	-	-	-	2.0	4.0	DFN-8(5x6)
2NN60-CBS	Dual N	600	±30	2.0	8500	-	-	-	2.0	4.0	DFN-8(5x6)
UP672	Dual N	50	±7	0.1	-	20000 (V _{GS} =4.0V)	40000	-	0.7	1.5	SOT-363
QS8J11*	Dual P	-12	0 to -8	-3.5	-	-	57	82	-0.3	-1.0	DFN-8(3X3)
QS8J2*	Dual P	-12	±10	-4.0	-	-	50	69	-0.3	-1.0	DFN-8(3X3)
UD4P20*	Dual P	-20	±16	-4.0	-	100	-	-	-1.0	-2.5	SOP-8
UM6J1N*	Dual P	-30	±20	-0.2	1400	2100	-	-	-1.0	-2.5	SOT-363
SH8J62*	Dual P	-30	±20	-4.5	56	77	-	-	-1.0	-2.5	SOP-8
UTM4953	Dual P	-30	±25	-4.9	60	95	-	-	-1.0	-2.0	SOP-8
UTM4953-H	Dual P	-30	±25	-5.0	55	85	-	-	-1.2	-2.5	SOP-8
QS8J5*	Dual P	-30	±20	-5.0	39	56	-	-	-1.0	-2.5	DFN-8(3X3)
SH8J65*	Dual P	-30	±20	-7.0	29	39	-	-	-1.0	-2.5	SOP-8
UT4957	Dual P	-30	±20	-7.7	26	38	-	-	-1.0	-3.0	SOP-8
SH8J66*	Dual P	-30	±20	-9.0	18.5	23.6	-	-	-1.0	-2.5	SOP-8

Combo Power MOSFET

Part No.	Configuration	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}				V _{GS(th)} (V)		Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	1.8V	MIN.	MAX.	
		(V)	(±V)	(A)	MAX	MAX	MAX	MAX			
BSS84ZDW	Dual P	-50	±20	-0.13	-	10000	-	-	-0.8	-2.0	SOT-363
UD6604-H	N + P	20 -20	±8	3.4 -2.5	-	36 66	45 83	55 93	0.4 -0.4	1.0 -1.0	SOT-26
UTT30NP30	N + P	20 -25	±8 ±20	30.0	15 25	18 34	-	-	0.5 -1.0	1.2 -3.0	TO-252-4
UD8404	N + P	30 -30	±20	2.0	50	80	-	-	1.3 -0.8	2.5 -2.0	SOP-8
QS8M11	N + P	30 -30	±20	3.5 -3.0	50 75	65 115	-	-	1.0 -1.0	2.5 -2.5	SOP-8
QS8M12*	N + P	30 -30	±20	4.0 -4.0	42 56	56 77	-	-	1.0 1.0	2.5 -2.5	DFN-8(3X3)
QS8M13*	N + P	30 -30	±20	6.0 -5.0	28	35	-	-	1.0 -1.0	2.5 -2.5	DFN-8(3X3)
SH8M11*	N + P	30 -30	±20	3.5 -3.5	98 98	126 140	-	-	1.0	2.5	SOP-8
SH8M12*	N + P	30 -30	±20	5.0 -4.5	42 56	42 77	-	-	1.0 -1.0	2.5 -2.5	SOP-8
SH8M13*	N + P	30 -30	±20	6.0 -7.0	31 29	42 39	-	-	1.0	2.5	SOP-8
SH8M14*	N + P	30 -30	±20	9.0 -7.0	21 29	25 39	-	-	1.0 -1.0	2.5 -2.5	SOP-8
UD4501*	N + P	30 -20	±20 ±8	9.3 -5.6	18 -	23 46	-	-	1.0 -0.4	3.0 -1.5	SOP-8
UD4509-H	N + P	30 -20	±20 ±8	11.2 -8.0	10 21	16 32	-	-	1.0 -1.0	3.0 -3.0	SOP-8
UD4606	N + P	30 -30	±20	6.9 -6.0	28	42	-	-	1.0 -1.2	3.0 -2.4	SOP-8 DIP-8
UD4606Z	N + P	30 -30	±20	6.9 -6.0	28 35	42 58	-	-	1.0 -1.2	3.0 -2.4	SOP-8
UD4606Q	N + P	30 -30	±20	6.9 -6.0	28 45	42 58	-	-	1.0 -1.2	3.0 -2.4	SOP-8
UD8958*	N + P	30 -30	±20	7.0 -5.0	28 52	40 80	-	-	1.0 -1.0	3.0 -3.0	SOP-8
UT5003	N + P	30 -30	±20	7.0 -5.0	27.5 45	40 80	-	-	1.0 -1.0	2.5 -2.5	SOP-8
UT5003Z	N + P	30 -30	±20	7.0 -5.0	27.5 45	40 80	-	-	1.0 -1.0	2.5 -2.5	SOP-8
UP2790	N + P	30 -30	±20	6.0 -6.0	28 60	40 80	-	-	1.5 -1.0	2.5 -2.5	SOP-8
UTT9NP03	N + P	30 -30	±20	9 8	16 28.6	23.7 40.3	-	-	1 -1.0	2.5 -2.5	SOP-8
20NP03	N + P	30 -30	±20	25 -19	18 36	28 57	-	-	1.0 -1.0	2.5 -2.5	TO-252-4
UTM4052	N + P	40 -40	±20	7.5 -6.0	38 50	-	-	-	1.3 -1.3	2.5 -2.5	SOP-8 TO-252-4
UD4614	N + P	40 -40	±20	6.0 -5.0	31 45	45 63	-	-	1.0 -1.0	3.0 -3.0	SOP-8 TO-252-4
UD3004*	N + P	40 -40	±20	12.0 -8.8	30 55	-	-	-	1.2 -1.2	3.0 -3.0	TO-252-4 TO-252-5
UD606	N + P	40 -40	±20	8.0 -8.0	33 50	47 70	-	-	1.0 -1.0	3.0 -3.0	SOP-8 TO-252-5
22NP04	N + P	40 -40	±20	24.0 -19.0	30 35	-	-	-	1.6 -1.6	3.0 -3.0	TO-252-4
UTT10NP06	N + P	60 -60	±20	4.5 -3.0	64 125	80 150	-	-	1.0 -1.0	3.0 -3.0	SOP-8 TO-252-4
UTT6NP10	N + P	100 -100	±20	3.1 -3.2	150 155	-	-	-	1.0 -1.0	3.0 -3.0	SOP-8 TO-252-4
5NNPP03	Dual N + Dual P	30 -30	±20	5.0 4.1	25 50	45 75	-	-	1.0 -1.0	3.0 -3.0	SOP-8
UD9930	Dual N + Dual P	30 -30	±25	5.5 -4.1	40 60	60 100	-	-	1.0 -1.0	3.0 -3.0	SOP-8
UD9930M	Dual N + Dual P	30 -30	±25	5.5 -4.1	45 70	70 100	-	-	1.0 -1.0	3.0 -3.0	SOP-8
2NNPP06	Dual N + Dual P	60 -60	±20	1.8 -1.42	250 400	350 600	-	-	1.0 -1.0	3.0 -3.0	SOP-8
1NNPP10	Dual N + Dual P	100 -100	±20	1.0 -0.85	700 1000	-	-	-	2.0 -2.0	4.0 -4.0	SOP-8
UT4810D	N + Schottky	30	±20	7.5	13.5	20	-	-	1.0	3.0	SOP-8

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UBSS83	-	10	±10	0.05	45000	70000 (V _{GS} =5.0V)	-	0.1	2.0	1.5	1	0.6	SOT-143 DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UTC606P-H	-12	±8	-6.0	-	26	35	-0.4	-1.5	1699	679	423	SOT-26 DFN-8(3X3) DFN-8(5X6)
UF7476	-	12	±12	15.0	8	30	-	0.6	1.9	2550	2190	450	SOP-8 DFN-8(3X3) DFN-8(5X6)
100N02	-	15	±8	100.0	-	12	-	0.5	1.2	3656	1310	395	TO-251 TO-252
-	UT6302	-20	±12	-0.78	-	600	-	-0.7	-1.5	97	53	28	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UPD02R1350L	-20	±8	-1.2	-	135	170	-0.4	-1.0	560	80	70	SOT-323 DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UPD02R1200L	-20	±8	-1.8	-	120	150	-0.4	-1.0	560	80	70	SOT-323 DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2340	-20	±8	-2.0	-	70	110	-0.4	-1.5	600	175	80	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT4101	-20	±8	-2.4	-	85	120	-0.4	-1.5	675	100	75	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UDN302	-20	±12	-2.4	-	55	80	-0.6	-1.5	882	211	112	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT2302	-	20	±8	2.4	-	50	95	0.45	-	450	70	43	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2327	-20	±12	-2.6	-	130 (V _{GS} =5.0V)	190 (V _{GS} =2.8V)	-0.5	-	295	170	65	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT2308	-	20	±10	2.7	-	80	110	0.4	1.0	215	65	45	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2301	-20	±8	-2.8	-	130	190	-0.45	-	447	127	80	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2301Z	-20	±8	-2.8	-	130	190	-0.45	-	447	127	80	SOT-23 DFN-8(3X3) DFN-8(5X6)
-	UT3413	-20	±8	-3.0	-	97	130	-0.3	-1.0	540	72	49	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT3419	-20	±12	-3.5	75	95	145	-0.7	-1.4	540	72	49	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2035Z	-20	±8	-3.6	-	42	65	-0.4	-1.0	1610	157	145	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT2321	-20	±12	-3.8	-	55	80	-0.4	-1.0	1500	270	185	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT2311	-20	±8	-4.0	-	55	85	-0.45	-	970	485	160	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT3415*	-20	±8	-4.0	-	43	54	-0.3	-1.0	-	-	-	DFN-6(2X2) SOT-23
-	UT2305	-20	±12	-4.2	53	65	100	-0.5	-1.2	900	116	120	SOT-23-3 SOT-23 SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2305-H	-20	±10	-4.2	-	75	95	-0.4	-0.9	900	116	120	SOT-23-3 DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT3414	-	20	±8	4.2	-	50	63	0.4	1.0	436	66	44	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UML2502	-	20	±12	4.2	-	45	80	0.6	1.2	740	90	66	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT3443	-20	±12	-4.5	-	65	100	-0.6	-1.4	-	-	-	SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT2312	-	20	±8	5.0	-	33	40	0.45	-	900	140	100	SOT-23 SOP-8 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UTM2054	-	20	±16	5.0	40	54	130	0.6	1.5	450	100	60	SOT-23 SOT-89 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3446*	-	20	±12	6.2	-	24	32	0.4	1.5	-	-	-	DFN-8(3X3) SOT-26
UT3416	-	20	±8	6.5	-	22	26	0.4	1.0	910	250	230	SOT-23-3 SOT-23 DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3416-H	-	20	±8	6.7	-	19	24	0.3	0.8	600	70	45	SOT-23-3 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
CJ8810-C	-	20	±12	7.0	20	-	26	0.4	1.0	-	-	-	SOT-23-3
UT8601-H*	-	20	±12	7.0	-	23	35	0.5	1.3	-	-	-	DFN-8(3X3)

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UT2408Z-C	-	20	±12	8.0	-	14.5	19	0.5	1.2	525	170	120	DFN-6B(2X2) DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X6) DFN-8(5X6)
-	UPD02R320L	-20	±8	-8.0	-	32	41	-0.3	-	400	220	160	DFN-8(3X3) DFN-8(5X6)
-	UT3310	-20	±12	-10.0	-	150	250	-0.5	-	300	180	60	DFN-8(3X3) TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(5X6)
-	UPD02R205L	-20	±8	-12.0	-	20.5	27	-0.4	-1.0	420	270	240	DFN-8(3X3) DFN-8(5X6)
UP9T15G	-	20	±12	12.5	-	50	80	0.5	1.5	360	70	50	TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UND02R075L	-	20	±8	15.0	-	7.5	10	0.4	1.5	4700	850	310	SOP-8 DFN-8(3X3) DFN-8(5X6)
-	UPD02R145L	-20	±8	-29.7	-	14.5	20.5	-0.4	-	430	360	310	DFN-8(5X6)
UNB02R140L	-	20	±16	38.0	-	14	28	0.5	1.5	1800	620	180	TO-252
-	UPD02R095L	-20	±8	-40.0	-	9.5	12.5	-0.3	-0.9	3495	528	425	DFN-8(5X6)
UTP45N02	-	20	±10	45.0	-	22 (V _{GS} =5.0V)	-	1.0	2.0	1300	724	250	TO-252 DFN-8(3X3) DFN-8(5X6)
90N02	-	20	±8	90.0	-	12	-	0.55	1.2	3565	1310	395	TO-251 DFN-8(3X3) DFN-8(5X6)
90N02A	-	20	±8	90.0	-	10	-	0.55	1.2	3565	1310	395	TO-251
UTT200N02	-	20	±20	200.0	2.4	-	-	1.0	3.0	5490	1220	155	TO-220
UTD50N024-06P*	-	22	±20	80.0	-	9.5	-	0.8	3.0	-	-	-	TO-251 TO-252
-	UP2003	-25	±20	-9.0	20	35	-	-1.0	-3.0	1610	410	200	TO-252 DFN-8(5X6)
UT3055	-	25	±16	12.0	70	95	-	1.1(Typ)	-	240	97	68	TO-251 TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT3055*	-	25	±16	12.0	70	95	-	1.1(Typ)	-	-	-	-	TO-251 TO-252
UTN3055	-	25	±20	12.0	90	120 (V _{GS} =5.0V)	-	0.8	2.5	450	200	60	TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT45N03	-	25	±15	40.0	21	24 (V _{GS} =5.0V)	40 (V _{GS} =3.5V)	1.0	2.0	700	290	200	TO-251 TO-252 DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UTM2513	-	25	±20	40.0	13	23	-	1.3	2.5	1560	345	245	TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT1432*	-	25	±20	44.0	8.5	14	-	1.0	3.0	-	-	-	SOP-8
UT50N03	-	25	±20	45.0	14	23	-	1.0	2.0	610	300	125	TO-251 TO-252 TO-252D DFN-8(3X3) DFN-8(5X6)
UTT50N03*	-	25	±20	45.0	14	23	-	1.0	2.0	-	-	-	TO-251 TO-252
UTD472*	-	25	±20	50.0	6	9.5	-	1.0	2.5	-	-	-	TO-251 TO-252
UTD452	-	25	±20	55.0	8.5	14	-	1.0	3.0	1230	315	190	TO-252 DFN-8(5X6)
UTM2056*	-	25	±20	60.0	6	10	-	1.0	2.0	-	-	-	TO-251
UTM2056*	-	25	±20	60.0	6	10	-	1.0	2.0	-	-	-	TO-252
UK3919	-	25	±20	64.0	5.6	13.7 (V _{GS} =5.0V)	-	2.0	3.0	2050	460	330	TO-252 DFN-8(5X6)
UT75N02	-	25	±20	75.0	7	-	-	1.0	3.0	5000	1800	800	TO-251 TO-220 DFN-8(5X6)
-	UT3P01Z	-30	±10	-0.1	-	10400 (V _{GS} =4.0V)	15400	-0.4	-1.4	7.5	5.7	1.8	SOT-523 SOT-323 SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT3N01Z	-	30	±10	0.15	-	2000 (V _{GS} =4.0V)	3000	0.4	1.3	7.5	5.7	1.8	SOT-523 SOT-363 SOT-323 SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UTR4502	-30	±20	-1.13	200	350	-	-1.0	-3.0	200	80	50	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT7401	-30	±12	-1.2	150	200	280	-0.6	-1.4	409	55	42	SOT-323 SOT-23 SOT-23 DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2352	-30	±25	-1.3	180	300	-	-0.8	-2.5	150	40	20	DFN-8(3X3) SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(5X6)
UTD351	-	30	±20	1.4	160	250	-	0.8	3.0	145	35	15	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT7400*	-	30	±12	1.7	85	100	-	0.6	1.4	-	-	-	SOT-23

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V			C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UT2304	-	30	±20	2.5	117	190	-	1.0	3.0	120	62	24	SOT-23-3 SOT-23 SOT-89 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT3403	-30	±12	-2.6	130	180	260	-0.6	-1.4	409	55	42	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT3409	-30	±20	-2.6	130	200	-	-1.0	-3.0	302	50.3	37.8	SOT-323 SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT2306	-	30	±8	3.5	65	90 (V _{GS} =5.0V)	-	1.0	2.0	400	80	45	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UTC654	-30	±20	-3.6	75	125	-	-1.0	-3.0	298	83	39	SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT2316	-	30	±20	3.6	50	85	-	0.8	-	215	90	55	SOT-23-3 SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT3406	-	30	±20	3.6	65	105	-	1.0	3.0	288	57	39	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2309	-30	±20	-3.7	75	120	-	-1.0	-3.0	412	91	62	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3418	-	30	±12	3.8	60	70	155	1.0	1.8	226	39	29	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT06P03	-30	±20	-4.0	45	75	-	-0.9	-3.0	530	135	70	SOT-26 SOT-89 TO-252 DFN-8(3X3) DFN-8(5X6)
-	UT3401	-30	±12	-4.2	50	65	120	-0.7	-1.3	954	115	77	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT3401Z	-30	±12	-4.2	50	65	120	-0.7	-1.3	954	115	77	SOT-23 DFN-8(3X3) DFN-8(5X6)
-	UT2305A	-30	±12	-4.2	60	80	150	-0.5	-1.2	740	167	126	DFN-6(2X2) SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT9435	-30	±20	-4.2	50	90	-	-1.0	-3.0	520	180	130	SOT-89 SOP-8 TO-252 DFN-8(3X3) DFN-8(5X6)
-	UT9435-H	-30	±20	-4.2	50	90	-	-1.0	-3.0	1040	420	150	DFN-6(2X2) DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT6401	-30	±12	-5.0	49	64	119	-0.7	-1.3	943	108	73	SOT-23 SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT9435H	-30	±20	-5.3	50	90	-	-1.0	-3.0	1040	420	150	SOT-23 SOT-26 SOT-223 SOP-8 DFN-8(3X3) DFN-8(5X6)
-	UT9435HZ	-30	±20	-5.3	55	135	-	-1.0	-3.0	600	95	85	SOT-23 SOT-26 SOT-223 SOP-8 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3404	-	30	±20	5.8	28	43	-	1.0	3.0	680	102	77	SOT-23 SOP-8 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3400	-	30	±12	5.8	28	33	52	0.7	1.4	823	99	77	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3400-H	-	30	±12	5.8	32	35	52	0.4	0.9	695	45	36	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
SSM3K333R	-	30	±20	6.0	28	42	-	1.3	2.5	436	77	28	SOT-23 DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT4405*	-30	±20	-6.0	50	85	-	-1.0	-3.0	-	-	-	SOP-8
UT4800	-	30	±25	6.5	18.5	30	-	0.8	1.8	-	-	-	SOP-8 DFN-8(3X3) DFN-8(5X6)
UT6402	-	30	±20	6.9	28	42	-	1.0	3.0	680	102	77	SOT-23 SOT-26 DFN-8(3X3) DFN-8(5X6)
-	UT4411	-30	±20	-8.0	32	55	-	-1.2	-2.4	1200	170	122	SOP-8 DFN-8(3X3) DFN-8(5X6)
-	UTT4815	-30	±25	-8.0	20	37(Typ)	-	-1.0	-3.0	2330	480	320	SOP-8 DFN-8(5X6)
-	UTT4815-H	-30	±25	-8.0	20	32	-	-1.0	-2.5	1250	160	90	SOP-8 DFN-8(3X3) DFN-8(5X6)
-	UTT8P03-H	-30	±20	-8.0	26	34	-	-0.8	-1.8	930	170	120	DFN-8(3X2)
-	UT4435-H	-30	±20	-8.0	20	35	-	-1.0	-2.5	1250	160	90	SOP-8 DFN-8(3X3) DFN-8(5X6)
UTD410	-	30	±20	8.0	65	105	-	1.0	3.0	288	57	39	SOT-223 TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT4404	-	30	±12	8.5	24	30	48	0.7	1.4	857	97	71	SOP-8 DFN-8(3X3) DFN-8(5X6)
UT4414	-	30	±20	8.5	26	40	-	1.0	3.0	680	102	77	SOP-8 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT3008-H	-30	±20	-8.5	17	25	-	-1.1	-2.1	880	145	140	DFN-8(3X3) DFN-8(5X6)
-	UT4435	-30	±25	-8.8	20	35	-	-1.0	-3.0	1604	408	202	SOP-8 DFN-8(5X6)
UD4809	-	30	±20	9.0	9	14	-	1.5	2.5	1456	315	200	TO-252 DFN-8(5X6)
UT8067	-	30	±20	9.0	25	33	-	1.3	2.3	690	120	28	SOP-8

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UT8067-H	-	30	±20	9.0	18	28	-	1.2	2.0	345	55	32	SOP-8
UT4466	-	30	±25	10.0	23	33	-	1.0	2.4	478.9	96.7	61.4	SOP-8 DFN-8(5X6)
UTD420	-	30	±20	10.0	28	42	-	1.0	3.0	710	120	72	TO-252 DFN-8(5X6)
-	UPC8131-C	-30	-25/+20	-10.0	17.6	23	-	-0.8	-2.0	1700	320	280	DFN-8(3X3) DFN-8(5X6)
UT4422	-	30	±20	11.0	15	24	-	1.0	3.0	1040	180	110	SOP-8 DFN-8(5X6)
UNA03R150M	-	30	±20	11.0	15	24	-	1.0	3.0	1040	180	110	SOP-8 DFN-8(3X3) DFN-8(5X6)
UT4406	-	30	±12	11.5	14.8	17.5	26.8	0.8	1.5	1630	201	142	SOP-8 DFN-8(5X6)
UT4410	-	30	±20	11.6	18	20	-	1.3	3.0	700	120	35	SOP-8 DFN-8(5X6)
UT4468*	-	30	±20	11.6	14	22	-	1.5	3.0	-	-	-	SOP-8
UT3120*	-	30	±20	11.6	14	22	-	1.5	3.0	-	-	-	SOP-8
-	UTT4407	-30	±25	-12.0	14	24(Typ)	-	-1.7	-3.0	2076	503	302	SOP-8 DFN-8(5X6)
UT4392	-	30	±20	12.5	11.5	16.5	-	1.0	3.0	2134	343	134	SOP-8 DFN-8(5X6)
-	UT6679*	-30	±25	-13.0	9	13	-	-1.0	-3.0	-	-	-	SOP-8
UNA03R085M	-	30	±20	13.3	8.5	14	-	1.2	3.0	1260	480	65	DFN-8(3X3) DFN-8(5X6)
UT4420*	-	30	±12	13.7	10.5	12	-	0.6	2.0	-	-	-	SOP-8
UT4424*	-	30	±25	13.8	9	14	-	1.0	3.0	-	-	-	SOP-8
-	UTT4425	-30	±25	-14.0	11	-	-	-2.0	-3.5	3800	560	350	SOP-8 DFN-8(5X6)
UTD4806*	-	30	±20	14.0	6	9.4	-	1.5	2.5	-	-	-	TO-251 TO-252
-	UT4413	-30	±25	-15.0	14	-	-	-1.5	-3.5	4245	983	689	SOP-8 DFN-8(5X6)
UT4446	-	30	±20	15.0	8.5	14.5	-	1.0	3.0	1520	306	214	SOP-8 DFN-8(5X6)
UT4446-H	-	30	±20	15.0	13	18	-	1.0	3.0	800	120	60	SOP-8 DFN-8(3X3) DFN-8(5X6)
UNA03R190M	-	30	±20	15.0	19	25	-	1.4	2.5	513	110	76	DFN-8(3X3) DFN-8(5X6)
-	UTD405	-30	±20	-18.0	32	60	-	-1.2	-2.4	920	190	122	TO-252 DFN-8(3X3) DFN-8(5X6)
UTD408	-	30	±20	18.0	18	27	-	1.0	2.5	1040	180	110	TO-252 DFN-8(3X3) DFN-8(5X6)
UT4430	-	30	±20	18.0	5.5	7.5	-	1.0	2.5	6060	638	355	SOP-8 DFN-8(5X6)
UT20N03	-	30	±20	20.0	20	31	-	1.2	2.0	530	200	60	DFN-8(5X6) TO-252 DFN-8(3X3)
UT7698-H*	-	30	±20	22.0	10	15	-	1.0	3.0	-	-	-	DFN-8(5X6)
UTT22N03*	-	30	±20	22.0	5	6.2	-	1.2	3.0	-	-	-	DFN-8(5X6)
UNA03R050M	-	30	±20	22.0	5	6.2	-	1.2	3.0	420	300	3.8	DFN-8(5X6)
UNA03R100M	-	30	±20	22.0	10	15	-	1.0	3.0	385	135	3.4	DFN-8(5X6) DFN-8(3X3)
UTT60N03H-H	-	30	±16	20.0	5.5	8.5	-	1.1	2.2	1450	445	38	DFN-8(5X6) DFN-8(3X3)
UT7410	-	30	±20	24.0	24	32	-	1.4	2.5	550	110	55	DFN-8(3X3) DFN-8(5X6)
UTT25N03*	-	30	±20	24.0	4.8	12	-	1.0	2.5	-	-	-	DFN-8(3X3)
UTD484	-	30	±20	25.0	15	23	-	1.0	2.5	938	142	99	DFN-8(3X3) TO-252 DFN-8(5X6)
-	UT30P03	-30	±20	-26.0	40	60	-	-1.0	-3.0	700	130	120	TO-252 DFN-8(3X3) DFN-8(5X6)
UT40N03T	-	30	±25	28.0	25	45	-	1.0	3.0	655	145	95	DFN-8(3X3) TO-251 TO-252 TO-263 TO-220 DFN-8(5X6)
UTM3023	-	30	±20	30.0	20	28	-	1.0	2.0	1200	220	100	TO-252 DFN-8(3X3) DFN-8(5X6)
UT30N03	-	30	±20	30.0	20	28	-	1.0	2.0	1170	320	60	TO-252 DFN-8(3X3) DFN-8(5X6)
UTD20N03	-	30	±20	30.0	20	31	-	1.2	2.0	530	200	60	TO-252 DFN-8(3X3) DFN-8(5X6)
UNA03R106M	-	30	±20	30.0	10.6	15.1	-	1.2	2.5	380	135	3.5	DFN-8(5X6) DFN-8(3X3)
UT7430	-	30	±20	34.0	12	16	-	1.5	2.5	760	125	70	DFN-8(3X3) DFN-8(5X6)
-	UT36P03*	-30	±20	-36.0	38	58	-	-1.0	-3.0	-	-	-	TO-251 TO-252
-	UTT36P03	-30	±20	-36.0	38	58	-	-1.0	-3.0	3200	350	205	TO-252 DFN-8(5X6)
-	UPA03R090M	-30	±20	-38.0	9	12	-	-1.0	-3.0	3400	480	375	DFN-8(3X3) SOP-8
UT7422Z	-	30	±20	40.0	4.3	6	-	1.3	2.4	2445	390	220	DFN-8(3X3)

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UT40N03	-	30	±20	40.0	17	23	-	1.0	3.0	800	380	133	TO-251 TO-252 DFN-8(3X3) DFN-8(5X6)
UTT40N03	-	30	±20	40.0	17	23	-	1.0	3.0	900	380	133	TO-251 TO-252 DFN-8(5X6)
UTD8878*	-	30	±20	40.0	15	18	-	1.2	2.5	-	-	-	TO-251 TO-252
UT7422-H	-	30	±20	40.0	4.3	6	-	1.3	2.4	2445	390	220	DFN-8(3X3) DFN-8(5X6)
UTD36N03	-	30	±20	43.4	17	22	-	1.0	2.0	690	160	110	TO-252 TO-220 DFN-8(3X3) DFN-8(5X6)
UTT45N03-H*	-	30	±20	44.0	7	11.2	-	1.32	2.2	-	-	-	DFN-8(5X6)
UT60T03	-	30	±20	45.0	12	25	-	1.0	3.0	1135	200	135	DFN-8(5X6) TO-252 TO-263 TO-220F
UTL1426	-	30	±12	46.0	12	25	-	1.0	3.0	1210	330	85	SOP-8 DFN-8(5X6)
UT8880*	-	30	±20	54.0	11.6	14.5	-	1.2	2.5	-	-	-	DFN-8(5X6) TO-251 TO-252
UT3006	-	30	±20	55.0	9	16	-	1.0	3.0	700	215	155	DFN-8(5X6) TO-252
-	UT60P03*	-30	±20	-60.0	27	-	-	-2.0	-4.0	-	-	-	TO-251 TO-252 TO-220 TO-220F
-	UTT60P03	-30	±20	-60.0	27	-	-	-2.0	-4.0	3000	1500	525	TO-252 DFN-8(5X6)
60N03*	-	30	±20	60.0	24	30	-	1.0	3.0	-	-	-	TO-251 TO-252 TO-220 TO-220F
UT60N03	-	30	±20	60.0	23	30	-	1.0	3.0	900	210	90	TO-251 TO-252 TO-252D TO-220 DFN-8(5X6)
UTT60N03*	-	30	±20	60.0	23	30	-	1.0	3.0	-	-	-	TO-251 TO-252 TO-220 TO-220F
UT70N03	-	30	±20	60.0	9	18	-	1.0	3.0	1485	245	170	TO-251 TO-252 DFN-8(5X6)
UTD436	-	30	±20	60.0	7.5	13	-	1.0	3.0	1520	306	214	TO-252 DFN-8(5X6)
UTM3052-H	-	30	±20	62.0	8	12.5	-	1.2	2.5	600	120	70	DFN-8(5X6) DFN-8(3X3)
UT65N03	-	30	±20	65.0	8.4	14.6	-	1.3	3.0	1177	555	218	TO-220
-	UT70P03	-30	±20	-75.0	8	10	-	-1.0	-3.0	2700	550	380	TO-251 TO-252 TO-220 TO-220F DFN-8(5X6)
-	UTT75P03	-30	±20	-75.0	7	10	-	-1.0	-3.0	9000	1565	715	TO-220
UT75N03	-	30	±20	75.0	7	10	-	1.0	3.0	3298	1400	287	TO-251 TO-252 TO-220 DFN-8(5X6)
UTT75N03	-	30	±20	75.0	4	7	-	1.0	3.0	3900	640	510	TO-252 TO-252D DFN-8(5X6)
UT3009	-	30	±20	78.0	5.5	9	-	1.0	2.5	2361	315	237	TO-252 DFN-8(5X6)
ULB4132	-	30	±20	78.0	5.3	8	-	1.4	2.4	5110	960	440	TO-220 DFN-8(5X6)
UTM3006-H	-	30	±20	81.0	5.5	9	-	1.2	2.5	750	170	115	DFN-8(5X6) DFN-8(3X3)
UT85N03	-	30	±20	85.0	6	10	-	1.0	3.0	2700	550	380	TO-252 TO-263 TO-220 DFN-8(5X6)
UNA03R029M	-	30	±20	85.0	2.9	3.7	-	1.0	3.0	485	1005	807	TO-220
UNA03R053M	-	30	±20	85.0	5.3	3.2	-	1.0	3.0	2719	1204	169	TO-220 TO-230
UT90N03	-	30	±20	90.0	4.5	5.5	-	1.5	2.5	12065	1725	970	DFN-8(5X6) TO-251 TO-252 TO-252D TO-263
UT90N03-Q	-	30	±20	90.0	5.5	6.5	-	1.5	2.5	12065	1725	970	DFN-8(5X6) TO-251 TO-252
UTT90N03*	-	30	±20	90.0	2.9	3.3	-	1.5	2.5	-	-	-	TO-251 TO-252 TO-220
UTT95N03-H	-	30	±20	95.0	4	6	-	1.0	3.0	1300	255	225	DFN-8(5X6) TO-252
-	UTT100P03	-30	-16/+5	-100.0	4.3	7.6	-	-1.0	-2.1	7150	2150	1650	TO-220
UT100N03	-	30	±20	100.0	5.3	8	-	1.0	3.0	9500	800	300	DFN-8(5X6) TO-251 TO-252 TO-263 TO-220 TO-220F
UT100N03-Q	-	30	±20	100.0	5.3	8	-	1.0	3.0	3800	700	500	DFN-8(5X6) TO-263 TO-220
UT108N03	-	30	±20	108.0	5.3	6.6	-	1.0	3.0	2900	500	350	TO-251 TO-252 TO-252D TO-220 DFN-8(5X6)
UTT108N03	-	30	±20	108.0	5.3	6.6	-	1.0	3.0	3200	580	400	TO-220 DFN-8(5X6)
UT110N03	-	30	±20	110.0	4.8	7	-	1.0	3.0	9500	800	300	TO-220 DFN-8(5X6)
UT120N03	-	30	±20	120.0	3.8	6.4	-	1.0	3.0	2990	585	340	TO-220 DFN-8(5X6)
UT136N03	-	30	±20	136.0	4.5	5.6	-	1.0	3.0	3800	800	600	TO-263 TO-220
UTT150N03	-	30	±20	150.0	4.1	4.6	-	1.0	3.0	5200	970	570	TO-220
UT180N03*	-	30	±20	180.0	4.1	4.6	-	1.0	3.0	-	-	-	TO-263 TO-220

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UTT200N03	-	30	±20	200.0	2.6	-	-	1.0	3.0	5490	1220	155	TO-263 TO-220
UTT220N03	-	30	±20	220.0	2.4	-	-	1.0	3.0	5490	1220	155	TO-220
UT4450	-	40	±20	7.0	30	38	-	1.0	3.0	516	82	43	SOP-8 DFN-8(3X3) DFN-8(5X6)
-	UT9564	-40	±25	-7.3	28	40	-	1.0	3.0	2240	300	250	SOP-8 TO-252 DFN-8(5X6)
-	UT5504	-40	±20	-8.0	55	94	-	-1.0	-2.5	1078	131	100	SOP-8 TO-251 TO-252 DFN-8(3X3) DFN-8(5X6)
-	UTD413	-40	±20	-12.0	45	69	-	-1.0	-3.0	657	143	63	SOT-223 TO-252 TO-252D DFN-8(5X6)
-	UTT20P04	-40	±20	-20.0	42	55	-	-1.0	-3.0	1190	185	95	TO-252 DFN-8(5X6)
-	UT30P04	-40	±20	-21.0	40	-	-	-1.0	-3.0	1090	175	91	TO-252 DFN-8(5X6)
-	UTT30P04	-40	±20	-21.0	40	-	-	-1.0	-3.0	1090	175	91	TO-252 DFN-8(5X6)
UTT25N04*	-	40	±20	25.0	25	40	-	1.0	3.0	-	-	-	TO-252 TO-220
UT40N04	-	40	±20	25.0	29	-	-	2.0	3.0	1150	157	80	TO-252 DFN-8(5X6)
-	UPA04R345M	-40	±20	-28.0	34.5	52	-	-1.0	-3.0	1320	109	75	TO-252
-	UPA04R315M	-40	±20	-30.0	31.5	49	-	-1.0	-3.0	1340	113	76	TO-252
UNA04R150M	-	40	±20	35.0	15	19	-	1.0	3.0	1250	100	72	TO-252
-	UPA04R220M	-40	±20	-34.0	22	35.5	-	-1.0	-3.0	1950	160	107	TO-252
-	UPA04R205M	-40	±20	-36.0	20.5	29	-	-1.0	-3.0	2260	185	117	TO-252
UNA04R135M	-	40	±20	39.0	13.5	22	-	1.0	3.0	1200	100	72	TO-252
UNA04R160M	-	40	±20	42.0	16	25	-	1.0	3.0	1075	86	62	TO-252
-	UPA04R123M	-40	±20	-50.0	12.3	18	-	-1.0	-3.0	3372	282	187	TO-252
-	UTT40P04	-40	±20	-50.0	20	30	-	-1.0	-3.0	2085	360	210	SOP-8 TO-251 TO-252 TO-252D TO-220 DFN-8(5X6)
UNA04R110M	-	40	±20	52.0	11	20	-	1.0	3.0	1900	160	115	TO-252
UTT60N04*	-	40	±20	60.0	4.5	6.5	-	1.0	3.0	-	-	-	TO-252 TO-220
UNA04R080M	-	40	±20	60.0	8	10	-	1.0	3.0	1900	160	118	TO-252
-	UTT50P04	-40	±20	-60.0	13	22	-	-1.0	-3.0	3120	440	320	TO-252 DFN-8(5X6)
-	UTT65P04	-40	±20	-65.0	15	23	-	-1.0	-3.0	5400	640	300	TO-220
-	UTT75P04*	-40	±20	-75.0	9.7	-	-	-1.0	-2.5	-	-	-	TO-220 TO-3P
-	UTT90P04*	-40	±20	-90.0	4.7	-	-	-2.0	-4.0	-	-	-	TO-220
-	UTT100P04*	-40	±20	-100.0	3.5	5.1	-	-1.0	-2.5	-	-	-	TO-220 TO-247 TO-3P
UT120N04*	-	40	±20	120.0	4	-	-	2.0	4.0	-	-	-	TO-220 TO-247 TO-3P
UTT120N04	-	40	±20	120.0	3.8	-	-	1.0	3.0	2890	575	310	TO-263 TO-220
-	UTT150P04*	-40	±20	-150.0	6.9	8.8	-	-1.0	-3.0	-	-	-	TO-263 TO-220 TO-247 TO-3P
UT150N04	-	40	±20	150.0	4	-	-	2.0	4.0	7360	1680	240	TO-220
UTT150N04*	-	40	±20	150.0	4	-	-	2.0	4.0	-	-	-	TO-220
UF1404	-	40	±20	162.0	4	-	-	2.0	4.0	7360	1680	240	TO-220 DFN-8(5X6)
UK2158	-	50	±7	0.1	-	15000 (V _{GS} =4.0V)	20000	0.5	1.1	6	8	1	SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	BSS84ZT	-50	±20	-0.13	-	10000	-	-0.8	-2.0	73	10	5	SOT-532 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	BSS84Z	-50	±20	-0.13	-	10000	-	-0.8	-2.0	73	10	5	SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
BSS139Z	-	50	±20	0.2	-	3500 (V _{GS} =5.0V)	10000 (V _{GS} =2.75V)	0.5	1.5	40	12	3.5	SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT30N05	-	50	±20	30.0	40	-	-	2.0	4.0	1000	155	95	TO-252 DFN-8(5X6)

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UTT36N05	-	50	±15	36.0	-	40 (V _{GS} =4.0V)	-	1.0	2.5	1000	133	90	SOT-223 TO-220 DFN-8(5X6)
UTT50N05	-	50	±20	50.0	23	-	-	2.0	4.0	900	430	80	TO-252 DFN-8(5X6)
60N05	-	50	±20	60.0	14	-	-	2.0	4.0	3900	950	250	TO-220
UTT60N05	-	50	±20	60.0	18	-	-	2.0	4.0	2000	400	115	TO-220 DFN-8(5X6)
UTT80N05	-	50	±20	80.0	7	-	-	2.0	4.0	3565	1310	395	TO-220
UTT100N05	-	50	±20	100.0	7(Typ)	10(Typ)	-	1.0	3.0	12900	1060	700	TO-220
UTT3205	-	55	±20	110.0	8	-	-	1.4	3.0	3247	781	211	TO-220
UF3205-J	-	55	±20	110.0	8	-	-	2.0	4.0	3247	781	211	TO-263 TO-220 TO-247
02N06Z	-	60	±20	0.2	2400	4000 (V _{GS} =4.0V)	-	1.0	2.5	15	8	4	SOT-323 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
2N7002K	-	60	±20	0.3	2000	4000	-	1.0	2.5	25	10	3	SOT-23-3 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
2N7002KW	-	60	±20	0.3	2000	4000	-	1.0	2.5	25	10	3	SOT-323 DFN-4(1010) DFN-6(1010) DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	UT2P06	-60	±20	-2.0	400	600	-	-1.0	-3.0	141	13.1	10.8	SOT-23 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
-	2P06*	-60	±20	-2.0	250	300	-	-1.0	-3.0	-	-	-	SOT-23
-	UT3P06	-60	±20	-3.0	220	310	-	-1.0	-	7000	1600	1200	SOT-23 SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3N06	-	60	±20	3.0	90	120	-	1.0	3.0	490	55	40	SOT-23 SOT-89 TO-251 TO-252 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
-	UT6354-H	-60	±20	-4.0	100	135	-	-1.1	-2.6	600	60	50	SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT3458	-	60	±20	4.1	100	128	-	1.5	3.0	350	40	20	SOT-26 DFN-6(1.8X2) DFN-6(2X3) DFN-8(3X3) DFN-8(5X6)
UT9971P	-	60	±25	5.0	50	60	-	1.0	3.0	760	188	35	SOT-223 DFN-8(5X6)
UTT4850	-	60	±20	6.0	25	31	-	1.0	2.5	2500	185	150	SOP-8 DFN-8(5X6)
-	UT4421	-60	±20	-6.2	48	63	-	-1.0	-3.0	2417	179	120	SOP-8 DFN-8(5X6)
-	UTT7P06	-60	±20	-6.2	48	63	-	-1.0	-3.0	950	110	90	SOP-8 DFN-8(5X6)
UTM6006	-	60	±20	6.3	18	20	-	1.2	2.5	1070	200	190	DFN-8(5X6) SOP-8
UNA06R120H	-	60	±20	8.0	12	-	-	2.0	4.0	1070	200	190	SOP-8 DFN-8(5X6)
UTM6016	-	60	±20	8.0	12	15	-	1.2	2.5	1070	200	190	DFN-8(5X6) SOP-8
UT7446*	-	60	±20	8.0	145	-	-	2.2	3.3	-	-	-	DFN-8(3X3)
UNA06R310M	-	60	±20	9.1	31	45	-	1.0	3.0	380	70	51	TO-252 DFN-8(3X3) DFN-8(5X6)
UNA06R1500H	-	60	±20	12.0	150	-	-	2.0	4.0	120	15	10	TO-252 DFN-6(1.6X1.6) DFN-6(1.8X2) DFN-6(2X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT15N06	-	60	±12	15.0	28	30	-	0.5	2.0	1370	110	70	DFN-8(5X6) TO-263
-	UTT15P06	-60	±20	-15.0	90	-	-	-1.0	-3.0	1100	115	90	TO-251 TO-252 TO-220 TO-220F DFN-8(5X6)
-	UTT18P06	-60	±20	-18.3	70	-	-	-1.0	-3.0	840	95	70	TO-252 TO-220F DFN-8(5X6)
UNA06R460H	-	60	±16	20.0	46	-	-	2.0	4.0	690	58	32	TO-252 TO-252D DFN-8(3X3) DFN-8(5X6)
UTT20N06	-	60	±20	20.0	46	-	-	2.0	4.0	725	213	58	TO-251 TO-252 TO-263 TO-220 DFN-8(5X6)
UTT24N06	-	60	±16	24.0	40	50 (V _{GS} =5.0V)	-	1.0	3.0	1080	130	85	TO-251 DFN-8(5X6) TO-252
-	UTT25P06	-60	±15	-27.5	75	-	-	-1.2	-2.4	1650	140	125	TO-251 TO-252 TO-220 TO-220F DFN-8(5X6)
UTN6266	-	60	±20	30.0	15	19	-	1.5	2.5	1340	123	10	DFN-8(5X6) SOP-8
2SK3385*	-	60	±20	30.0	38	-	-	1.5	2.5	-	-	-	TO-251
-	UTT30P06	-60	±15	-30.0	80	-	-	-1.2	-2.4	1320	260	190	TO-251 TO-252 TO-220 TO-220F DFN-8(5X6)

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UTT30N06	-	60	±20	30.0	40	-	-	1.0	3.0	800	130	80	TO-251 TO-252 TO-252D TO-220 DFN-8(5X6)
UTN6266	-	60	±20	30.0	15	19	-	1.5	2.5	390	190	170	DFN-8(5X6) SOP-8 TO-251 TO-220
UNA06R170M	-	60	±16	35.0	17	20	-	1.0	3.0	425	175	135	TO-252 DFN-8(5X6)
UNA06R180M	-	60	±20	35.0	18	-	-	1.0	3.0	1840	185	80	TO-220
UNA06R144H	-	60	±20	40.0	14.4	-	-	2.0	4.0	2500	200	100	DFN-8(5X6)
-	UTT40P06*	-60	±20	-40.0	32	20	-	-1.0	-3.0	-	-	-	TO-252 TO-220
-	UTT50P06	-60	±20	-50.0	15	20	-	-1.0	-3.0	4950	480	405	TO-252 TO-262 TO-220
UTT50N06	-	60	±20	50.0	20	-	-	1.0	3.0	900	430	80	DFN-8(5X6) TO-252 TO-220 TO-220F
-	UTT60P06*	-60	±20	-60.0	30	UA9406	-	-2.0	-4.0	-	-	-	TO-252 TO-220
UNA06R165M	-	60	±20	60.0	16.5	-	-	1.0	3.0	1430	420	88	TO-220 DFN-8(5X6)
UTT60N06	-	60	±20	60.0	18	-	-	2.0	4.0	2000	400	115	TO-252 TO-263 TO-220 DFN-8(5X6)
UTT70N06	-	60	±20	70.0	10	-	-	2.0	4.0	3500	310	55	TO-252 TO-252D DFN-8(5X6)
UTT75N06	-	60	±20	75.0	10	-	-	2.0	4.0	3000	450	270	SOP-8 DFN-8(5X6)
-	UTT80P06	-60	±20	-80.0	23	-	-	-2.0	-4.0	4026	1252	437	TO-220
UNA06R059H	-	60	±20	80.0	5.9	-	-	2.0	4.0	445	376	199	TO-220
UTT130N06M	-	60	±20	80.0	5.9	7.2	-	1.0	3.0	454	364	313	DFN-8(5X6) TO-251 TO-220
80N06	-	60	±20	80.0	8.5	-	-	2.0	4.0	3500	370	295	TO-220
UTT80N06	-	60	±20	80.0	10	-	-	2.0	4.0	3800	375	320	SOP-8 TO-252 TO-263 TO-220 DFN-8(5X6)
UK4145	-	60	±20	84.0	10	-	-	2.0	4.0	5300	540	330	TO-263 TO-220 DFN-8(5X6)
-	UTT100P06*	-60	±20	-100.0	6	7.8	-	-1.0	-2.5	-	-	-	TO-220 TO-247 TO-3P
UTT100N06	-	60	±20	100.0	7(Typ)	-	-	1.0	3.0	12900	1060	700	TO-220
-	UTT120P06	-60	±20	-120.0	9	-	-	-2.0	-4.0	12000	790	650	TO-263 TO-220
UTT120N06	-	60	±20	120.0	7	10	-	1.0	3.0	2990	585	340	TO-220
UTT150N06H	-	60	±20	150.0	3.8	-	-	2.5	4.5	6190	900	385	TO-220
UTT150N06	-	60	±20	150.0	4	-	-	2.5	4.5	6190	900	385	TO-220
UNA06R063H	-	60	±20	178.0	6.3	-	-	2.0	4.0	3735	872	69	TO-220
UNA06R035M	-	60	±20	190.0	3.5	-	-	1.0	3.0	7000	1000	350	TO-220 TO-230
UNA06R032H	-	60	±20	193.0	4	-	-	2.5	4.5	1571	693	308	TO-220 TO-230
80N07	-	70	±20	80.0	15	-	-	2.0	4.0	5480	405	313	TO-220
UTT53N08H	-	75	±20	53.0	16	-	-	2.0	4.0	1775	195	100	TO-252
UTT75N75M	-	75	±20	75.0	9	12	-	1.0	3.0	4634	341	178	TO-220 TO-220F
UTT75N75	-	75	±20	80.0	15	-	-	1.4	3.0	4000	400	350	TO-220 TO-220F
UTT80N75	-	75	±25	80.0	12	-	-	2.0	4.0	3700	730	240	TO-252 TO-220
UTT100N75H	-	75	±20	100.0	8	-	-	2.0	4.0	414	270	132	TO-252 TO-220 DFN-8(5X6)
UFB3207H	-	75	±20	180.0	4.5	-	-	2.0	4.0	7600	710	390	TO-220 TO-247
UTT4N08M	-	80	±25	4.0	85	100	-	1.0	3.0	590	50	26	SOP-8
UTT5N08M	-	80	±20	5.0	52	60	-	1.0	3.0	815	60	34	SOP-8
UTT8N08M	-	80	±20	8.0	29	34	-	1.0	3.0	1650	150	83	SOP-8
UT7852	-	80	±20	12.5	16.5	-	-	2.0	-	-	-	-	DFN-8(5X6) SOP-8
UTT20N08*	-	80	±25	20.0	60	-	-	2.0	4.0	-	-	-	TO-220
UTT22N08M	-	80	±25	22.0	45	55	-	1.0	3.0	1000	75	45	DFN-8(5X6) TO-252
UTT25N08	-	80	±25	25.0	120	-	-	2.0	4.0	600	165	32	TO-252 DFN-8(5X6)
UTT30N08M	-	80	±20	30.0	30	38	-	1.0	3.0	1800	160	80	TO-251 TO-252
UTT30N08	-	80	±20	30.0	40	-	-	2.0	4.0	2400	390	30	TO-252 DFN-8(5X6)
UTT37N08H	-	80	±20	37.0	23	-	-	2.0	4.0	1220	137	70	TO-252

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at V _{GS}			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UTT40N08	-	80	±20	40.0	40	-	-	2.0	4.0	2800	320	140	TO-252 DFN-8(5X6)
UTT60N08H	-	80	±25	60.0	20	-	-	2.0	4.0	1400	150	40	TO-220 DFN-8(5X6)
UNA08R080M	-	80	±20	70.0	8	-	-	1.5	2.8	3700	730	240	TO-251 DFN-8(5X6)
UTT75N08	-	80	±20	75.0	21	-	-	1.4	3.0	3100	250	195	TO-252 TO-220 TO-220F1 DFN-8(5X6)
UTT75N08M	-	80	±20	75.0	11	-	-	1.0	3.0	460	560	3	TO-220 TO-230 DFN-8(5X6)
UTT80N08M	-	80	±20	80.0	9	11	-	1.0	3.0	4300	370	200	TO-251
UTT80N08H	-	80	±25	80.0	11	-	-	2.0	4.0	2800	320	235	TO-220
UTT80N08	-	80	±20	80.0	12	-	-	2.1	4.0	4700	1260	580	TO-220 TO-220F1 DFN-8(5X6)
UTT100N08M	-	80	±20	100.0	10	15	-	1.5	2.3	3700	730	240	TO-251 DFN-8(5X6)
UTT100N08	-	80	±20	100.0	12	-	-	1.0	3.0	1500	1060	700	TO-220 DFN-8(5X6)
UTT105N08H	-	80	±20	105.0	6.5	-	-	2.0	4.0	3800	487	215	TO-220
UTT110N08M	-	80	±20	110.0	6.5	8	-	1.0	3.0	5300	470	230	TO-251 TO-220
UTT120N08H	-	80	±20	120.0	6	-	-	2.0	4.0	6170	900	345	TO-220
UTT140N08H	-	80	±20	140.0	3.5	-	-	2.5	3.9	3753	679	54	TO-220
UTT110N08M	-	80	±20	170.0	4.8	-	-	2.0	4.0	4360	595	260	TO-220
UTT170N08H	=	80	±20	170.0	4.8	-	-	2.0	4.0	4360	595	260	TO-220
UTT180N08H	-	80	±25	180.0	4.5	-	-	2.0	4.0	5850	770	330	TO-220
UTT210N08H	-	80	±20	210.0	4	-	-	2.0	4.0	6830	930	382	TO-200
UTT2N10	-	100	±20	1.0	700	1000	-	2.0	4.0	220	33	17	SOT-223 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT1D5N10	-	100	±20	1.5	290	300	-	1.0	2.5	350	28	23	SOT-23-3 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT2N10-H	-	100	±16	1.6	220	235	-	1.0	2.5	290	27	13	SOT-23-3 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UTT3N10	-	100	±20	2.5	225	360	-	1.0	2.5	550	30	19	SOT-223 DFN-6(1.8X2) DFN-6(2X3) DFN-8(2X2) DFN-8(3X3) DFN-8(5X6)
UT3N10	-	100	±20	3.0	165	180	-	1.0	3.0	490	41	33	SOT-23 SOT-89 DFN-8(3X3) DFN-8(5X6)
UTT4N10	-	100	±16	3.5	-	250 (V _{GS} =5.0V)	-	1.0	3.0	-	-	-	SOT-223 TO-252 DFN-6(1.8X2) DFN-6(2X2) DFN-8(3X3) DFN-8(5X6)
UF4482M	-	100	±20	6.0	37	42	-	1.0	3.0	2444	130	75	SOP-8
UTT6N10	-	100	±20	6.0	200	225	-	1.0	3.0	700	42	10	SOT-223 DFN-8(5X6)
UTT6N10Z	-	100	±20	6.0	108	153	-	1.0	3.0	720	85	33	SOT-223 TO-252 DFN-8(5X6)
UNA10R220H	-	100	±20	7.0	22	-	-	2.0	4.0	1120	240	72	SOP-8 DFN-8(5X6)
UNA10R220M	-	100	±20	7.0	22	-	-	1.0	3.0	1120	240	72	SOP-8 DFN-8(5X6)
UTT10N10	-	100	±25	10.0	180	-	-	1.0	3.0	700	50	40	TO-251 TO-252 DFN-8(3X3) DFN-8(5X6)
-	UTT12P10	-100	±20	-12.0	200	-	-	-2.0	-4.0	1400	590	140	TO-251 TO-252 DFN-8(5X6)
UTT12N10*	-	100	±20	12.0	180	-	-	2.0	4.0	-	-	-	TO-252
UTT15N10	-	100	±20	15.0	125	148	-	2.0	4.0	900	110	50	TO-251 TO-252 DFN-8(5X6)
-	UTT16P10	-100	±20	-16.0	210	-	-	-1.0	-3.0	1180	250	75	TO-252 DFN-8(5X6)
-	UTT18P10	-100	±20	-18.0	200	-	-	-1.5	-2.5	1400	590	140	TO-252 TO-220 DFN-8(5X6)
UTT20N10	-	100	±25	20.0	120	-	-	2.0	4.0	600	165	32	TO-252 TO-220 DFN-8(5X6)
-	UTT25P10	-100	±20	-25.0	150	-	-	-2.0	-4.0	1500 (Max)	200 (Max)	120 (Max)	TO-252 TO-263 TO-220 TO-220F DFN-8(5X6)
UF7456M	-	100	±20	28.0	23	31	-	1.0	3.0	3900	215	123	DFN-8(5X6)
UTT30N10	-	100	±20	30.0	52	-	-	1.0	3.0	2590	144	105	DFN-8(5X6) TO-252 TO-263 TO-220 TO-220F
UNA10R390H	-	100	±20	31.0	39	-	-	2.0	4.0	360	125	40	TO-252 DFN-8(5X6)
UTT31N10M	-	100	±20	31.0	24	33	-	1.0	3.0	427	225	125	DFN-8(5X6) TO-252 TO-220
UTT32N10M	-	100	±20	32.0	37	42	-	1.0	3.0	2000	115	62	TO-252
UF1482M	-	100	±20	32.0	37	42	-	1.0	3.0	2120	118	70	TO-251 TO-252

#Package : In Development

Power MOSFET

N-CH	P-CH	Maximum Ratings			R _{DS(ON)} (mΩ) at VGS			V _{GS(th)} (V)		Dynamic Parameters			Package
		V _{DSS}	V _{GSS}	I _D	10V	4.5V	2.5V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
		(V)	(±V)	(A)	MAX	MAX	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UTT36N10	-	100	±20	36.0	52	-	-	1.0	3.0	2233	171	119	TO-251 TO-252 TO-220 TO-220F <u>DFN-8(5X6)</u>
UTT40N10H	-	100	±20	42.0	30	-	-	2.5	4.5	1400	120	35	TO-220 <u>DFN-8(5X6)</u>
UNA10R180H	-	100	±20	42.0	18	-	-	2.0	4.0	2930	290	180	TO-252 <u>DFN-8(5X6)</u>
UTT50N10*	-	100	±20	50.0	18.5	-	-	2.5	5.0	-	-	-	TO-220
-	UTT50P10	-100	±20	-50.0	60	65	-	-1.0	-3.0	4200	250	110	TO-220
-	UTT60P10*	-100	±20	-60.0	23	25	-	-1.0	-3.0	-	-	-	TO-220
UTT60N10M	-	100	±20	60.0	16	20	-	1.0	3.0	4460	255	160	DFN-8(5X6) SOP-8 TO-251 TO-3P
UTT60N10	-	100	±25	60.0	24	-	-	2.0	4.0	1320	330	132	TO-252 TO-220 TO-220F1
-	UTT70P10	-100	±20	-70.0	30	-	-	-1.0	-3.0	2250	700	275	TO-220
UT4610-H	-	100	±20	73.0	14	-	-	2.0	4.0	3200	368	220	TO-220
UTT75N10M	-	100	±20	75.0	12	-	-	1.0	3.0	5700	350	200	TO-220
UTT80N10H	-	100	±20	80.0	16	-	-	2.0	4.0	2750	270	90	TO-220 TO-220F
UTT80N10	-	100	±20	80.0	18	-	-	3.5	5.5	4125	485	220	TO-220
UTT85N10M	-	100	±20	85.0	10.5	12	-	1.0	3.0	465	440	230	TO-220 TO-230
UFS4310H	-	100	±20	140.0	7	-	-	2.0	4.0	7200	675	210	TO-220
UTT140N10H	-	100	±20	140.0	7	-	-	2.0	4.0	7670	540	280	TO-220
UFB4110H	-	100	±20	180.0	5.5	-	-	2.0	4.0	450	600	100	TO-220
-	15P12	-120	±20	-15.0	250	-	-	-2.0	-4.0	860	295	105	TO-252 TO-220
-	UT3437	-150	±20	-1.4	750	-	-	-2.0	-4.0	500	47	23	SOT-26 <u>DFN-8(5X6)</u>
-	UF4848H	150	±20	3.5	85	-	-	2.0	4.0	1690	126	46	SOP-8
-	UTT14N15H	150	±30	14.0	180	-	-	2.0	4.0	850	65	27	TO-251
-	UTT15N15H	150	±30	15.0	95	-	-	2.0	4.0	1650	117	50	TO-252
UTT18N15H	-	150	±30	18.0	125	-	-	2.0	4.0	1250	95	35	TO-251
UTT20N15H	-	150	±20	20.0	100	-	-	2.0	4.0	1500	110	48	TO-252
UNA15R850H	-	150	±20	20.0	85	-	-	2.0	4.0	1960	130	55	TO-252 SOP-8
UTT25N15H	-	150	±20	25.0	52	-	-	2.0	4.0	2920	193	78	TO-251 TO-252 <u>DFN-8(5X6)</u>
UFH5215H	-	150	±20	27.0	58	-	-	2.0	4.0	2760	210	75	DFN-8(5X6)
UFS5615H	-	150	±20	33.0	44	-	-	2.0	4.0	3600	238	90	TO-251 TO-263
UTT33N15H	-	150	±30	33.0	56	-	-	2.0	4.0	2440	170	70	TO-220
UFB4615H	-	150	±20	35.0	39	-	-	2.0	4.0	3380	260	94	TO-220
UTT40N15H	-	150	±20	40.0	38	-	-	2.0	4.0	3820	295	105	TO-220 TO-263
UTT52N15H	-	150	±30	52.0	32	-	-	2.0	4.0	4660	340	132	TO-220
UTT75N15H	-	150	±20	75.0	19	-	-	2.0	4.0	6000	450	170	TO-220
UTT85N15H	-	150	±20	150.0	21	-	-	2.0	4.0	6000	530	175	TO-220
UFB4321H	-	150	±30	83.0	13.8	-	-	2.0	4.0	7200	640	190	TO-263 TO-220
UNA15R185H	-	150	±20	83.0	18.5	-	-	2.0	4.0	6930	550	200	TO-230
UF03P20	-	-200	±20	-0.3	9000	-	-	-2.0	-4.0	70	20	9	SOT-23
UTT5N20H	-	200	±20	5.0	600	-	-	2.0	4.0	395	25	11	TO-251 TO-252
UTT8N20H	-	200	±30	8.0	360	-	-	2.0	4.0	900	53	20	TO-251
UTT13N20H	-	200	±30	13.0	235	-	-	2.0	4.0	1380	75	28	TO-251
UTT18N20H	-	200	±20	18.0	125	-	-	2.0	4.0	2100	140	45	TO-252
UTT23N20H	-	200	±20	23.0	80	-	-	2.0	4.0	3370	213	70	TO-220

#Package : In Development

Power MOSFET

Planar Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at V_{GS}	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	10V			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UK3018	-	30	± 20	0.1	8 ($V_{GS}=4.0V$)	0.8	1.5	13	9	4	SOT-323 SOT-23-3
UK3019	-	30	± 20	0.1	8 ($V_{GS}=4.0V$)	0.8	1.5	13	9	4	SOT-23-3
UTD454	-	40	± 20	12.0	0.033	1.8	3.0	404	95	37	TO-252
BSS138	-	50	± 20	0.22	3.5	0.8	1.5	27	13	6	SOT-323 SOT-23-3
UK1398	-	50	± 7	0.1	20 ($V_{GS}=4.0V$)	1.0	3.0	8	7	3	SOT-23 TO-92
-	UFR9024*	-55	± 20	-11.0	0.175	-2.0	-4.0	-	-	-	TO-252
-	UF9Z24	-55	± 20	-12.0	0.175	-2.0	-4.0	350	170	92	TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UFZ44	-	55	± 20	17.0	0.028	2.0	4.0	1900	920	170	TO-220 TO-220F1
-	UF9Z34	-55	± 20	-17.0	0.1	-2.0	-4.0	620	280	140	TO-220
-	UF5305	-55	± 20	-31.0	0.06	-2.0	-4.0	12000	520	250	TO-252 TO-220
UF3205	-	55	± 20	110.0	0.008	2.0	4.0	3247	781	211	TO-263
UF3205	-	55	± 20	110.0	0.008	2.0	4.0	3247	781	211	TO-220
2N7000	-	60	± 20	0.115	7.5	1.0	2.5	20	11	4	TO-92
2N7000Z	-	60	± 20	0.115	7.5	1.0	2.5	20	11	4	TO-92
2N7002LL	-	60	± 20	0.115	7.5	1.0	2.5	50	25	5	SOT-23-3
2N7002	-	60	± 20	0.3	7.5	1.0	2.5	50(Max)	25(Max)	5(Max)	SOT-23-3
2N7002T	-	60	± 20	0.3	13.5	1.0	2.5	20	11	4	SOT-523
2N7002W	-	60	± 20	0.3	13.5	1.0	2.5	20	11	4	SOT-323
2N7002Z	-	60	± 20	0.3	7.5	1.0	2.5	25	10	3	SOT-23-3
2N7002ZW	-	60	± 20	0.3	13.5	1.0	2.5	25	10	3	SOT-323
2N7002ZT	-	60	± 20	0.3	13.5	1.0	2.5	25	10	3	SOT-523
UMBF170	-	60	± 20	0.3	5	1.0	-	25	18	7.5	SOT-23-3
MMBF170	-	60	± 20	0.5	5	0.8	3.0	22	11	2	SOT-23-3
-	UT2955	-60	± 20	-1.7	0.17	-2.0	-4.0	492	165	50	SOT-223 TO-252
UF3055	UF3055	60	± 20	3.0	0.11	2.0	4.0	700	180	20	SOT-223 TO-252
UTF3055	-	60	± 20	3.0	0.11	2.0	4.0	324	35	110	SOT-223 TO-252
UTD3055	-	60	± 20	12.0	0.15	2.0	4.0	410	130	25	TO-252
-	UF2955*	-60	± 20	-12.0	0.18	-2.0	-4.0	-	-	-	SOT-223 TO-252
12N06	-	60	± 20	12.0	0.1	1.0	3.0	350	75	30	TO-252
12N06Z	-	60	± 20	12.0	0.1	1.0	3.0	350	75	30	TO-252
15N06	-	60	± 15	15.0	0.1	1.0	2.5	700	230	80	SOP-8 TO-252 TO-220 TO-220F
25N06	-	60	± 20	25.0	0.065	2.0	4.0	700	320	90	TO-252 TO-220
UFZ34	-	60	± 20	28.0	0.042	2.0	4.0	680	220	80	TO-251 TO-252 TO-220
30N06	-	60	± 20	30.0	0.04	2.0	4.0	800	300	50	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
30N06-Q	-	60	± 20	30.0	0.04	2.0	4.0	900	250	85	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
30N06V-Q	-	60	± 20	30.0	0.04	1.6	2.4	800	300	50	TO-251
50N06	-	60	± 20	50.0	0.023	2.0	4.0	900	430	80	TO-251 TO-252 TO-252D TO-263 TO-220 TO-220F TO-220F3
50N06-F	-	60	± 20	50.0	0.023	2.0	4.0	900	430	80	TO-251 TO-252 TO-220
60N06	-	60	± 20	60.0	0.018	2.0	4.0	2000	400	115	TO-263 TO-220 TO-220F
70N06	-	60	± 20	70.0	0.015	2.0	4.0	1800	800	130	TO-262 TO-263 TO-220 TO-220F TO-220F2
URFP064	-	60	± 20	70.0	0.02	2.0	4.0	7400	3200	540	TO-247
UF1010A	-	60	± 20	84.0	0.012	2.0	4.0	3210	690	140	TO-220

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at V_{GS}	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D				10V	C_{ISS}	C_{OSS}	
		(V)	($\pm V$)	(A)	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UF1010E	-	60	± 20	84.0	0.012	2.0	4.0	3210	690	140	TO-263 TO-220 TO-220F TO-220F1
100N06*	-	60	± 20	100.0	-	1.0	3.0	-	-	-	TO-220 TO-220F
UF110N06	-	60	± 20	110.0	0.012	2.0	4.0	2810	715	105	TO-220
UF150N06	-	60	± 20	150.0	0.008	2.0	4.0	4800	1265	125	TO-220
UF100N07	-	70	± 20	100.0	0.015	2.0	4.0	2930	615	75	TO-220
UF130N07	-	70	± 20	130.0	0.009	2.0	4.0	5100	1100	81	TO-220
75N75A*	-	75	± 20	80.0	0.011	2.0	4.0	-	-	-	TO-263 TO-220 TO-220F
75N75	-	75	± 20	80.0	0.011	2.0	4.0	3700	773	86	TO-263 TO-220 TO-220F TO-220F1 TO-220F2
60N08	60N08	80	± 25	60.0	0.024	2.0	4.0	1450	520	120	TO-220 TO-220F1
70N08*	-	80	± 20	70.0	0.018	2.0	4.0	-	-	-	TO-263 TO-220 TO-220F TO-220F1
80N08	-	80	± 20	80.0	0.012	2.1	4.0	4700	1260	580	TO-263 TO-220 TO-247
-	UF01P10	-100	± 20	-0.10	10	-2.0	-4.0	76	16	5.5	SOT-23-3
BSS123	-	100	± 20	0.17	6	1.6	2.6	20	9	4	SOT-23
-	UF02P10	-100	± 20	-0.20	6	-2.0	-4.0	110	16	5	SOT-23-3
UK2962	-	100	± 20	1.0	0.7	1.2	2.0	140	20	45	TO-92NL
UT2N10	-	100	± 10	2.0	1.05	1.0	2.5	200 (Max)	80 (Max)	35 (Max)	SOT-223 TO-92 TO-92NL TO-252
6N10	-	100	± 20	6.5	0.2	1.0	3.0	320	80	17	SOT-223 TO-252 TO-252D
6N10Z	-	100	± 20	6.5	0.2	1.0	3.0	320	80	17	TO-252
-	UFR9120	-100	± 20	-6.6	0.48	-2.0	-4.0	350	110	70	TO-252
-	UF9520S	-100	± 20	-6.8	0.6	-2.0	-4.0	390	170	45	TO-220F1
7N10	-	100	± 25	7.0	0.35	2.0	4.0	380	70	11	SOT-223 TO-251 TO-252 TO-252D
7N10Z	-	100	± 25	7.0	0.35	2.0	4.0	420	80	11	TO-252
UF520	-	100	± 20	9.2	0.27	2.0	4.0	350	130	25	TO-220
-	12P10	-100	± 30	-9.4	0.29	-2.0	-4.0	570	115	30	SOT-223 SOP-8 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-263 TO-220
12N10	-	100	± 20	12.0	0.18	1.0	3.0	430	90	20	SOP-8 TO-251 TO-252 TO-220
UT12N10	-	100	± 20	12.0	0.18	1.0	3.0	430	90	20	SOT-223 TO-251 TO-252
-	13P10	-100	± 30	-13.0	0.25	-2.0	-4.0	280	175	3.6	TO-251
-	UF9530	-100	± 20	-14.0	0.2	-2.0	-4.0	760	260	170	TO-251 TO-252 TO-220
19N10	-	100	± 25	15.6	0.1	2.0	4.0	600	165	32	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-263 TO-220 TO-220F1 TO-EP
19N10V	-	100	± 25	15.6	0.1	1.0	3.0	600	165	32	TO-251 TO-252
-	17P10	-100	± 30	-17.0	0.22	-2.0	-4.0	1510	190	60	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
25N10	-	100	± 20	23.0	0.08	2.0	4.0	1060	270	8	TO-251 TO-252 TO-220F TO-220F1 TO-200F2
-	UT23P09	-100	± 20	-23.0	0.117	-2.0	-4.0	1300	400	240	TO-252
UF540	-	100	± 20	27.0	0.085	2.0	4.0	1680	250	40	TO-220 TO-220F
-	UF5210	-100	± 20	-40.0	0.06	-2.0	-4.0	2700	790	450	TO-220
45N10*	-	100	± 20	45.0	0.032	1.0	2.5	-	-	-	TO-220 TO-200F
UF3710	-	100	± 20	57.0	0.023	2.0	4.0	3130	410	72	TO-263 TO-220
UT4610-H	-	100	± 20	73.0	0.014	2.0	4.0	3200	368	220	TO-220
UF8010	-	100	± 20	80.0	0.015	2.0	4.0	3617	620	59	TO-263 TO-220 TO-220F
-	17P12	-120	± 30	-17.0	0.22	-2.0	-4.0	1250	390	165	TO-252 TO-220
UF4848	-	150	± 20	3.7	0.85	2.0	-	-	-	-	SOP-8

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UF5N15Z	-	150	± 20	5.0	1.9	2.0	4.0	718	77	3.3	TO-252
UF6N15Z	-	150	± 20	6.0	1.95	2.0	4.0	718	77	3.3	SOT-223
10N15	-	150	± 20	10.0	0.3	2.0	4.0	850 (Max)	230 (Max)	100 (Max)	TO-252 TO-220 TO-220F1
20N15	-	150	± 20	20.0	0.13	2.0	4.0	1133	332	105	SOP-8 TO-252 TO-220F1 TO-220F2
20N15V	-	150	± 20	20.0	0.13	1.0	2.5	1133	332	105	TO-220F1
40N15	-	150	± 25	40.0	0.05	2.2	3.8	2500	520	100	TO-220 TO-220F1 TO-220F2
60N15	-	150	± 20	60.0	0.03	2.0	4.0	130	26	55	TO-247
-	UF01P20	-200	± 20	-0.1	16	-2.0	-4.0	57	14	5	SOT-23-3
-	UF02P20	-200	± 20	-0.2	10	-2.0	-4.0	103	13	5	SOT-23-3
UF3N20	-	200	± 20	3.0	0.2	1.0	3.0	1530	145	8	SOP-8
UF4N20Z	-	200	± 20	4.0	2	2.0	4.0	850 (Max)	250 (Max)	200 (Max)	SOT-223 TO-252 TO-220
-	7P20	-200	± 30	-5.7	0.69	-2.0	-4.0	590	140	25	TO-252
7N20	-	200	± 25	7.0	0.69	1.0	3.0	190	60	10	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N20Z	-	200	± 25	7.0	0.69	2.0	4.0	190	60	10	TO-252
-	UF9630*	-200	± 20	-6.5	0.8	-2.0	-4.0	-	-	-	TO-251 TO-252 TO-220
UF630	-	200	± 20	9.0	0.4	2.0	4.0	600	250	80	SOP-8 TO-251 TO-252 TO-262 TO-220 TO-220F TO-220F1 TO-220F2
-	UF9640	-200	± 20	-11.0	0.5	-2.0	-4.0	1200	370	81	TO-252 TO-220 TO-220F TO-263
15N20	-	200	± 30	15.0	0.28	3.0	5.0	610	145	42	TO-252 TO-220
UF640	-	200	± 20	18.0	0.18	2.0	4.0	805	240	46	SOT-223 TO-252 TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
UF640V	-	200	± 20	18.0	0.18	1.0	2.5	1275	400	100	TO-220 TO-3P
UF640-P	-	200	± 20	18.0	0.17	2.0	4.0	805	240	46	TO-220
UF640-Q	-	200	± 20	18.0	0.20	2.0	4.0	805	240	46	TO-252 TO-220F
22N20	-	200	± 30	22.0	0.14	3.0	5.0	1700	220	30	TO-220 TO-220F
25N20	-	200	± 30	25.0	0.16	2.0	4.0	1000	240	25	TO-220F TO-220F1
30N20	-	200	± 30	30.0	0.075	3.0	5.0	2400	430	55	TO-220 TO-220F2
39N20	-	200	± 20	39.0	0.066	2.0	4.0	1250	190	45	TO-247
UF50N20	-	200	± 20	50.0	0.04	2.0	4.0	3900	950	250	TO-247
UF3N25Z	-	250	± 20	3.0	2	2.0	4.0	190	80	30	SOT-223 TO-251 TO-252
5N25	-	250	± 20	3.8	1.2	2.0	4.0	250	40	6	TO-252
5N25Z	-	250	± 20	3.8	1.2	2.0	4.0	250	40	6	TO-252
UF624	-	250	± 20	4.4	1.1	2.0	4.0	260	77	15	TO-252
UF624Z	-	250	± 20	4.4	1.1	2.0	4.0	260	77	15	TO-252
UF634	-	250	± 30	8.1	0.45	2.0	4.0	730	110	50	SOP-8 TO-252 TO-220 TO-220F TO-220F1
12N25	-	250	± 20	12.0	0.5	2.0	4.0	3000 (Max)	900 (Max)	400 (Max)	TO-252 TO-220
12N25V	-	250	± 20	12.0	0.5	1.0	2.5	3000	900	400	TO-252 TO-220
15N25	-	250	± 30	15.0	0.32	2.0	4.0	830	200	25	TO-252 TO-220F1
15N25-P	-	250	± 30	15.0	0.25	2.0	4.0	830	200	25	TO-220F1
18N25	-	250	± 20	18.0	0.24	2.0	4.0	2200	330	25	TO-263 TO-220F
UFP254	-	250	± 20	23.0	0.14	2.0	4.0	2700	620	180	TO-220F RO-220F2
33N25	-	250	± 20	33.0	0.08	2.0	4.0	1250	190	45	TO-247
UFP264	-	250	± 20	38.0	0.075	2.0	4.0	3900	950	250	TO-247
05N30	-	300	± 30	0.5	5	2.0	4.0	139	20	5.5	SOT-23
UF2N30Z	-	300	± 20	2.0	2.5	2.0	4.0	200	90	30	SOT-223 TO-251 TO-251S TO-252

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UF3N30Z	-	300	± 20	3.0	2	2.0	4.0	200	90	30	TO-251 TO-251S TO-252
4N30	-	300	± 20	4.0	2	2.0	4.0	850 (Max)	250 (Max)	200 (Max)	TO-252
4N30Z	-	300	± 20	4.0	2	2.0	4.0	850 (Max)	250 (Max)	200 (Max)	TO-252
-	7P30	-300	± 30	-6.0	1	-2.0	-4.5	1040	360	70	TO-220
10N30	-	300	± 30	10.0	0.65	2.0	4.0	840	250	80	TO-251 TO-252 TO-220
12N30	-	300	± 30	12.0	0.47	2.0	4.0	810	165	65	TO-252
1N40-CB	-	400	± 30	1.0	4	2.0	4.0	165	35	20	TO-92 SOT-223 TO-251 TO-252 TO-220F
1N40	-	400	± 30	1.4	6.8	2.0	4.0	115	20	3	SOT-223 TO-92 TO-220
1N40A	-	400	± 30	1.0	6.8	3.0	5.0	125	20	17	SOT-223 TO-251
2N40	-	400	± 30	2.0	3.4	2.0	4.0	240	44	26	TO-92 TO-220
2N40K-TA	-	400	± 30	2.0	2.5	2.0	4.0	218	37	5	SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N40-CB	-	400	± 30	2.0	4.2	2.0	4.0	200	35	20	TO-92 SOT-223 TO-251 TO-252 TO-220F
3N40	-	400	± 30	3.0	2	2.0	4.0	445	60	13	TO-252 TO-220F
3N40K-MK	-	400	± 30	3.0	2	3.0	5.0	420	270	42	TO-251 TO-251S TO-252 TO-252D TO-220F TO-220F1 TO-220F2 TO-220F3
3N40K-MT	-	400	± 30	3.0	2	2.0	4.0	420	270	42	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N40-CB	-	400	± 30	3.0	2.1	2.0	4.0	340	45	35	TO-92 SOT-223 TO-251 TO-252 TO-220F
3N40-CBS	-	400	± 30	3.0	2.2	2.0	4.0	330	43	33	TO-92 SOT-223 TO-251 TO-252 TO-220F
4N40	-	400	± 30	4.0	1.8	2.0	4.0	315	120	40	TO-251 TO-251S TO-252 TO-220 TO-220F
5N40-CB	-	400	± 30	5.0	1	2.0	4.0	550	68	38	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5N40	-	400	± 30	5.0	1.2	2.0	4.0	480	80	15	TO-252 TO-220 TO-220F1
5N40K-MT	-	400	± 30	5.0	1.2	2.0	4.0	710	88	65	TO-251 TO-251S TO-251S1 TO-251S2 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
UF730	-	400	± 20	5.5	1	2.0	4.0	600	150	40	TO-251 TO-252 TO-220 TO-220F
UF730-E	-	400	± 20	5.5	0.85	2.0	4.0	615	115	45	TO-220
UF730K-TA	-	400	± 20	5.5	1.2	2.0	4.0	465	63	7	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF730K-TC	-	400	± 20	5.5	0.95	2.0	4.0	250	83	7	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF730K-MT	-	400	± 20	5.5	0.95	2.0	4.0	810	1200	300	TO-220F1
6N40	-	400	± 30	6.0	1	2.0	4.0	480	80	15	TO-252 TO-220 TO-220F
6N40-C	-	400	± 30	6.0	1.2	2.0	4.0	513	75	8	TO-220F1
6N40K-TA	-	400	± 30	6.0	0.6	2.0	4.0	490	95	8.4	TO-220 TO-220F1
7N40-CB	-	400	± 30	7.0	0.85	2.0	4.0	660	80	42	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N40	-	400	± 30	7.0	0.9	2.0	4.0	600	105	13	TO-220 TO-220F1
8N40-CB	-	400	± 30	8.0	0.7	2.0	4.0	920	95	80	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
8N40K-MTQ	-	400	± 30	8.0	0.7	2.0	4.0	786	88	7.8	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2
8N40	-	400	± 30	8.0	0.82	2.0	4.0	1600 (Max)	450 (Max)	150 (Max)	TO-252 TO-220 TO-220F1
9N40-CB	-	400	± 30	9.0	0.6	2.0	4.0	1000	105	90	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9N40	-	400	± 30	9.0	0.75	2.0	4.0	1340	490	160	TO-220 TO-220F1
UF740-C	-	400	± 30	10.0	0.47	2.0	4.0	1195	135	11	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at V_{GS}	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D				10V	C_{ISS}	C_{OSS}	
		(V)	($\pm V$)	(A)	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UF740-CB	-	400	± 30	10.0	0.5	2.0	4.0	1300	130	110	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF740K-MT	-	400	± 20	10.0	0.55	2.0	4.0	870	115	7	TO-220 TO-220F TO-220F1 TO-220F2 TO-263
UF740	-	400	± 20	10.0	0.55	2.0	4.0	1170	160	26	TO-263 TO-220 TO-220F TO-220F1 TO-220F2
UF740-E	-	400	± 20	10.0	0.55	2.0	4.0	1225	300	80	TO-263 TO-220 TO-220F TO-220F1 TO-220F2
10N40	-	400	± 30	10.5	0.65	2.0	4.0	840	250	80	TO-220 TO-220F1
11N40	-	400	± 30	11.4	0.52	2.0	4.0	1100	180	20	TO-220 TO-220F
11N40K-MT	-	400	± 30	11.4	0.52	2.0	4.0	670	135	8.9	TO-220 TO-220F2
12N40-CB	-	400	± 30	12.0	0.4	2.0	4.0	1670	170	150	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
12N40	-	400	± 30	12.0	0.47	2.0	4.0	3000 (Max)	900 (Max)	400 (Max)	TO-220 TO-220F1
12N40K-MT	-	400	± 30	12.0	0.47	2.0	4.0	750	153	10	TO-220 TO-220F TO-220F1 TO-220F2
13N40	-	400	± 30	13.0	0.35	2.0	4.0	1283	218	120	TO-220F
13N40K-MT	-	400	± 30	13.0	0.35	2.0	4.0	775	165	11.5	TO-220 TO-220F TO-220F1 TO-220F2
14N40K-MT	-	400	± 30	14.0	0.34	2.0	4.0	810	190	10.5	TO-220 TO-220F TO-220F1 TO-220F2
15N40	-	400	± 30	15.0	0.35	2.0	4.0	1310	210	17	TO-220 TO-220F1
15N40K-MT	-	400	± 30	15.0	0.32	2.0	4.0	865	200	10.9	TO-220F1 TO-220F2
17N40K-MT	-	400	± 30	17.0	0.24	2.0	4.0	980	240	11.4	TO-220F2
18N40	-	400	± 30	18.0	0.24	2.0	4.0	2500	280	23	TO-220 TO-220F1 TO-220F2 TO-247
20N40K-MT	-	400	± 30	20.0	0.22	2.0	4.0	1170	300	11.9	TO-220F2
20N40	-	400	± 30	23.0	0.2	2.0	4.0	2280	370	25	TO-247
25N40	-	400	± 30	25.0	0.16	2.0	4.0	2400	390	30	TO-247
05N45	-	450	± 30	0.5	11	2.0	4.0	172	17	4.6	SOT-23
02N50	-	500	± 30	0.2	75	2.5	4.5	200	20	8	TO-251
03N50-KW	-	500	± 30	0.3	15	2.0	4.0	74	12.7	4.6	TO-92
06N50-CB	-	500	± 30	0.6	17	2.0	4.0	78	14	3.5	SOT-223
1N50	-	500	± 30	1.3	6	2.0	4.0	220	30	11	TO-92 TO-220 TO-220F1
1N50A	-	500	± 30	1.0	8	3.0	5.0	125	17	15	TO-251
1N50-CB	-	500	± 30	1.0	6	2.0	4.0	120	22	4.7	TO-92 SOT-223 TO-251 TO-251S TO-251S2 TO-252
1N50K-TA	-	500	± 30	1.3	6	3.0	5.0	180	30	12.5	SOT-223 TO-92 TO-251
1N50-KW	-	500	± 30	1.0	10	3.0	5.5	135	17	4.7	TO-92
1N50Z	-	500	± 30	1.3	6	2.0	4.0	220	30	11	TO-92 TO-252
2N50	-	500	± 30	2.0	4.9	2.0	4.0	236	40	22	TO-252 TO-220F
2N50-CB	-	500	± 30	2.0	5	2.0	4.0	153	25.3	4.7	SOT-223 TO-252 TO-92 TO-126 TO-251
2N50K-TA	-	500	± 30	2.0	4.9	3.0	5.0	200	39	16	TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2
2N50Q-TA	-	500	± 30	2.0	4.9	2.0	4.0	160	22	3	TO-92
2N50-CBS	-	500	± 30	2.0	5.6	2.0	4.0	165	20	5	SOT-223 TO-251 TO-252
3N50	-	500	± 30	3.0	3.2	2.0	4.0	280	50	8.5	TO-252 TO-220F
3N50-CB	-	500	± 30	3.0	3	2.0	4.0	230	43	6.3	TO-251 TO-252 TO-220F TO-220F1 TO-220F2
3N50-CBS	-	500	± 30	3.0	3	2.0	4.0	280	35	4	TO-252 TO-220 TO-220F
3N50K-MK	-	500	± 30	3.0	3.2	3.0	5.0	415	250	50	TO-251 TO-251S TO-251S1 TO-251S2 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N50Z	-	500	± 30	3.0	3.2	2.0	4.0	280	50	8.5	TO-251 TO-220F

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
4N50	-	500	± 30	4.0	2.2	2.0	4.0	485	65	5	TO-251 TO-252 TO-220 TO-220F
4N50S-CB	-	500	± 30	4.0	3	2.0	4.0	280	35	4	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4N50-CB	-	500	± 30	4.0	3	2.0	4.0	345	40	4.7	TO-251 TO-252
UF830	-	500	± 30	4.5	1.5	2.0	4.0	600	100	20	TO-251 TO-251S TO-252 TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
UF830-CB	-	500	± 30	4.5	1.5	2.0	4.0	580	64	4	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF830-E	-	500	± 30	4.5	1.8	2.0	4.0	900	95	35	TO-220 TO-251S TO-252 TO-220 TO-220F
UF830K	-	500	± 30	4.5	1.5	2.0	4.0	590	80	15	TO-252 TO-220 TO-220F TO-220F2
UF830K-MT	-	500	± 30	4.5	1.5	2.0	4.0	420	66	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
UF830K-TA	-	500	± 30	4.5	1.8	2.0	4.0	260	56	7	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
UF830K-TC	-	500	± 30	4.5	1.8	2.0	4.0	267	64	7	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF830Z	-	500	± 30	4.5	1.5	2.0	4.0	600	120	20	TO-220F
5N50	-	500	± 30	5.0	1.4	2.0	4.0	535	70	17	TO-252 TO-262 TO-220F TO-220F1
5N50K-MT	-	500	± 30	5.0	1.4	2.0	4.0	525	64	6	TO-251
5N50K-MT	-	500	± 30	5.0	1.4	2.0	4.0	525	64	6	TO-251 TO-251S TO-251S1 TO-251S2 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N50K-MTQ	-	500	± 30	5.0	1.5	2.0	4.0	400	71	7.9	TO-251 TO-251S TO-251S1 TO-251S2 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N50K-TC	-	500	± 30	5.0	1.5	2.0	4.0	565	68	5.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5N50-CB	-	500	± 30	5.0	1.6	2.0	4.0	630	65	50	TO-252 TO-220F TO-220F1
5N50-P	-	500	± 30	5.0	1.6	2.0	4.0	580	66	10	TO-251 TO-251S4 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
F5N50	-	500	± 30	5.0	1.6	1.5	3.5	480	80	15	TO-252 TO-220
6N50	-	500	± 30	6.0	1.15	2.0	4.0	720	85	6.3	TO-220 TO-220F
6N50-CB	-	500	± 30	6.0	1.3	2.0	4.0	680	75	6.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N50-MTQ	-	500	± 30	7.0	0.87	2.0	4.0	750	130	16	TO-252
7N50-CB	-	500	± 30	7.0	0.9	2.0	4.0	1000	95	75	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N50	-	500	± 30	7.0	1	3.0	5.0	720	95	9	TO-220 TO-200F1 TO-220F2
8N50	-	500	± 30	8.0	0.85	2.0	4.0	650	112	21	TO-220 TO-220F1 TO-220F2
8N50H	-	500	± 30	7.0	1	2.0	4.0	-	-	-	TO-220F
UF840	-	500	± 30	8.0	0.85	2.0	4.0	750	130	16	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
F840-C	-	500	± 30	8.0	0.81	2.0	4.0	1120	120	10	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UF840-F	-	500	± 30	8.0	0.87	2.0	4.0	1480	193	81	TO-220 TO-220F
UF840K-MTQ	-	500	± 30	8.0	0.87	2.0	4.0	750	130	16	TO-252 TO-220 TO-220F TO-220F1 TO-263
UF840-CB	-	500	± 30	8.0	0.9	2.0	4.0	950	95	4.3	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9N50	-	500	± 30	9.0	0.85	2.0	4.0	790	130	24	TO-220
9N50K-MT	-	500	± 30	9.0	0.85	2.0	4.0	685	115	12	TO-220 TO-220F TO-220F1 TO-220F2
9N50-CB	-	500	± 30	9.0	0.9	2.0	4.0	297	84	5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
10N50	-	500	± 30	10.0	0.68	2.0	4.0	1610	177	16	TO-220 TO-220F1

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at V_{GS}	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D				C_{ISS} (pF) (Typ)	C_{OSS} (pF) (Typ)	C_{RSS} (pF) (Typ)	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX				
10N50K-MT	-	500	± 30	10.0	0.68	2.0	4.0	988	149	11	TO-220F2
10N50-CB	-	500	± 30	10.0	0.75	2.0	4.0	1340	125	108	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
11N50	-	500	± 30	11.0	0.55	2.0	4.0	1515	185	25	TO-262 TO-220 TO-220F TO-220F1
11N50-CB	-	500	± 30	11.0	0.55	2.0	4.0	1690	150	130	TO-220F TO-220F1 TO-220F2
11N50K-MT	-	500	± 30	11.0	0.55	2.0	4.0	850	150	9	TO-220F2
12N50	-	500	± 30	12.0	0.54	2.0	4.0	1450	198	14.5	TO-262 TO-220 TO-220F TO-220F1 TO-220F2
12N50K-MT	-	500	± 30	12.0	0.52	2.0	4.0	850	160	10	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
UK3568	-	500	± 30	12.0	0.52	2.0	4.0	1500	180	15	TO-220F TO-220F1 TO-220F2
UK3568	-	500	± 30	13.0	0.41	2.0	4.0	875	177	11.5	TO-220F2
13N50K-MT	-	500	± 30	13.0	0.41	2.0	4.0	875	177	11.5	TO-220F2
13N50	-	500	± 30	13.0	0.48	2.0	4.0	1630	202	32	TO-220 TO-220F TO-220F1
13N50K	-	500	± 30	13.0	0.48	2.0	4.0	1800	245	25	TO-220F2
13N50-CB	-	500	± 30	13.0	0.55	2.0	4.0	1600	160	29	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
14N50	-	500	± 30	14.0	0.5	3.0	4.5	2000	238	55	TO-263 TO-220 TO-220F1
UF450	-	500	± 20	14.0	0.4	2.0	4.0	2600	720	340	TO-220F1 TO-220F2 TO-230 TO-247 TO-3P
15N50	-	500	± 30	15.0	0.35	2.0	4.0	2300	250	26	TO-220F1 TO-220F2
15N50K-MT	-	500	± 30	15.0	0.36	2.0	4.0	970	210	11	TO-220F2
16N50	-	500	± 30	16.0	0.38	2.0	4.0	2330	260	29	TO-220F1 TO-220F2
17N50K-MT	-	500	± 30	17.0	0.3	2.0	4.0	1100	260	11	TO-220F2
18N50	-	500	± 30	18.0	0.32	2.0	4.0	2240	290	41	TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-230 TO-3P
20N50	-	500	± 30	20.0	0.27	2.0	4.0	3400	320	25	TO-247 TO-3P
UF460	-	500	± 20	21.0	0.27	2.0	4.0	4300	1000	250	TO-247 TO-3P
UF460V	-	500	± 20	21.0	0.27	1.0	3.0	4300	1000	250	TO-3P
23N50E	-	500	± 30	23.0	0.245	2.0	4.0	2700	330	20	TO-247 TO-3P TO-3PN
24N50	-	500	± 30	24.0	0.24	2.0	4.0	3500	520	55	TO-247 TO-3P
26N50	-	500	± 30	26.0	0.24	2.0	4.0	3500	520	55	TO-3P
BSS127	-	600	± 20	0.021	500	1.4	2.6	21	2.4	1	SOT-23-3 SOT-23
03N60-KW	-	600	± 30	0.3	20	2.0	4.0	72	11.5	3.7	TO-92
D4N60-KW	-	600	± 30	0.4	21	2.5	4.5	70	13	5	SOT-89 TO-92
05N60-CB	-	600	± 30	0.5	23	2.0	4.0	87	12	5	SOT-223 TO-92
1N60A	-	600	± 30	0.5	15	2.0	4.5	100 (Max)	20 (Max)	3 (Max)	TO-92 SOT-223 TO-251 TO-252
1N60Q-TA	-	600	± 30	1.0	7.2	2.0	4.0	195	20	3	TO-92
1N60-CB	-	600	± 30	1.0	9.5	2.0	4.0	130	21	3.4	DFN-8(5X6) TO-92 SOT-223 TO-251 TO-251S TO-251S2 TO-252
1N60A-CB	-	600	± 30	0.5	10	2.0	4.0	116	21	4.5	TO-92
1N60-KW	-	600	± 30	1.0	15	2.0	4.0	150	17.5	4.6	TO-92 SOT-89 SOT-223 TO-251 TO-252 TO-126
1N60K-TA	-	600	± 30	1.0	10	2.5	4.5	130	31	6	TO-251 TO-252
1N60-TA	-	600	± 30	1.0	15	2.0	4.0	95	15	3.5	SOT-223 TO-92
1N60	-	600	± 30	1.2	11.5	2.0	4.0	120	20	3	TO-92 SOT-223 TO-126 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F2
1N60P	-	600	± 30	1.2	11.5	2.0	4.0	120	20	3	TO-92
1N60V	-	600	± 30	1.2	11	1.0	3.0	160	23	9.5	TO-220F

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
1N60Z	-	600	± 30	1.2	11.5	2.0	4.0	120	20	3	SOT-223 TO-92 TO-252
2N60	-	600	± 30	2.0	5	2.0	4.0	300	45	10	DFN-8(5X6) TO-126 TO-126S TO-251 TO-251L TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60-C	-	600	± 30	2.0	4.6	2.0	4.0	300	45	10	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60-CA	-	600	± 30	2.0	5	2.0	4.0	300	45	10	TO-252
2N60-CB	-	600	± 30	2.0	5	2.5	4.5	315	39	13	DFN-8(5X6) TO-126 SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60-CBS	-	600	± 30	1.5	8.5	2.0	4.0	130	21	3.4	DFN-8(5X6) SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60-E	-	600	± 30	2.0	5	2.0	4.0	260	35	9	DFN-8(5X6) SOT-223 TO-126 TO-126C TO-251 TO-251L TO-251S TO-251S2 TO-251S4 TO-252 TO-262 TO-220 TO-220F TO-220F1
2N60K	-	600	± 30	2.0	5	2.0	4.5	320	32	4.6	TO-92 TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1
2N60K-MT	-	600	± 30	2.0	5	2.0	4.0	210	31	4.5	SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-252-4 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60K-TA	-	600	± 30	2.0	5	2.0	4.0	205	40	16	TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60L	-	600	± 30	2.0	5	2.0	4.0	300	30	7	TO-126 TO-251 TO-251L TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N60Z	-	600	± 20	2.0	5	2.0	4.0	270	40	5	TO-251 TO-252 TO-220F
2N60ZL	-	600	± 20	2.0	5	2.0	4.0	270	40	5	TO-251 TO-252 TO-220F1
F2N60	-	600	± 30	2.0	5	2.0	4.0	350 (Max)	50 (Max)	7 (Max)	TO-252
2N60-CBQ	-	600	± 30	2.0	8	2.0	4.0	184	23	3	DFN-8(5X6) SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N60	-	600	± 30	3.0	3.6	2.0	4.0	350	50	5.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F3
3N60A	-	600	± 30	3.0	3.6	2.0	4.0	350	50	5.5	TO-252 TO-220F
3N60-CBS	-	600	± 30	3.0	4.5	2.0	4.0	200	39	6	TO-251 TO-252
3N60-TA5	-	600	± 30	3.0	3.6	2.0	4.0	380	42	5.5	TO-251
3N60K-MK	-	600	± 30	3.0	3.6	2.5	4.5	460	41	5.88	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N60K-MT	-	600	± 30	3.0	3.2	2.0	4.0	320	40	6	TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N60K	-	600	± 30	3.0	3.6	3.0	5.0	350	50	5.5	TO-252 TO-220F TO-220F2
3N60Z	-	600	± 30	3.0	3.6	2.0	4.0	350	50	5.5	TO-220F

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at V_{GS}		$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	10V		MIN	MAX	C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	MAX				(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
4N60	-	600	± 30	4.0	2.5		2.0	4.0	550	80	30	DFN-8(5X6) TO-251 TO-251S TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60-C	-	600	± 30	4.0	2.5		2.0	4.0	600	60	6	TO-251 TO-252 TO-220F TO-220F1 TO-220F2
4N60-CB	-	600	± 30	4.0	2.5		2.0	4.0	264	54	5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4N60-E	-	600	± 30	4.0	2.5		2.0	4.0	520	55	11	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60K	-	600	± 30	4.0	2.5		3.0	5.0	520	70	8	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F3
4N60K-MK	-	600	± 30	4.0	2.5		2.5	4.5	477	50	5.82	TO-220F
4N60K-MT	-	600	± 30	4.0	2.5		2.0	4.0	425	55	6	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60-TA5	-	600	± 30	4.0	2.5		2.0	4.0	500	55	6	TO-251
4N60K-MTQ	-	600	± 30	4.0	3.5		2.0	4.5	350	260	56	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60-N	-	600	± 30	4.0	2.5		2.0	4.0	530	70	25	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60-Q	-	600	± 30	4.0	2.5		2.0	4.0	520	52	11	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60-R	-	600	± 30	4.0	2.5		3.0	5.0	440	50	6.8	TO-220F1
4N60-S	-	600	± 30	4.0	2.5		3.0	5.0	440	45	8	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60K-TA	-	600	± 30	4.0	2.8		2.0	4.0	268	49	5.3	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60K-TC	-	600	± 30	4.0	2.5		2.0	4.0	262	73	6.4	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N60Z	-	600	± 20	4.0	2.5		2.0	4.0	520	70	8	TO-251 TO-251S TO-252 TO-220F TO-220F1
4N60Z-E	-	600	± 20	4.0	2.5		2.0	4.0	550	60	12.5	TO-220F1
5N60	-	600	± 30	5.0	2.2		2.0	4.0	515	55	6.5	DFN-8(5X6) TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N60-CB	-	600	± 30	5.0	2.2		2.0	4.0	760	72	5.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5N60K-MT	-	600	± 30	5.0	2.2		2.0	4.0	460	70	8	TO-251 TO-251S TO-252 TO-252D TO-252F TO-220F1 TO-220F2 TO-220F3
5N60K-MTQ	-	600	± 30	5.0	2.2		2.0	4.0	520	65	8	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N60Z	-	600	± 20	5.0	2.2		2.0	4.0	515	55	6.5	TO-220F1
5N60K-TCQ	-	600	± 30	5.0	2.5		2.0	4.0	480	60	6.5	TO-252 TO-220 TO-220F1
6N60-CB	-	600	± 20	6.0	1.44		2.0	4.0	900	85	4	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6N60-CBS	-	600	± 30	6.0	1.5		2.0	4.0	900	82	63	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
6N60	-	600	± 30	6.2	1.5	2.0	4.0	770	95	10	TO-251S TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N60-C	-	600	± 30	6.2	1.5	2.0	4.0	650	95	8	TO-251S TO-251S2 TO-251S4 TO-220F1 TO-220F2
6N60K-MT	-	600	± 30	6.2	1.4	2.0	4.0	540	97	11	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N60K-MTQ	-	600	± 30	6.0	1.8	2.0	4.0	720	70	6.6	TO-220F1
6N60K-TA	-	600	± 30	6.2	1.4	2.5	4.5	690	85	17	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N60-P	-	600	± 30	6.2	1.75	2.0	4.0	751	89	17	TO-251 TO-252 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
6N60Z	-	600	± 20	6.2	1.75	2.0	4.0	770	95	10	TO-220F
7N60K-MTQ	-	600	± 30	6.2	1.4	2.0	4.0	540	97	11	TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N60-CBQ	-	600	± 30	7.0	1.5	2.0	4.0	625	83	4.3	RO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N60-CB	-	600	± 30	7.0	1	2.0	4.0	351	112	5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7N60	-	600	± 30	7.4	1	2.0	4.0	1200	125	40	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N60-F	-	600	± 30	7.4	1.2	2.0	4.0	1300	350	200	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N60K	-	600	± 30	7.4	1.2	2.5	4.5	1400 (Max)	180 (Max)	21 (Max)	TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N60L	-	600	± 30	7.4	1.2	2.0	4.0	1400 (Max)	180 (Max)	21 (Max)	TO-220 TO-220F TO-220F1
7N60-M	-	600	± 30	7.4	1.2	2.0	4.0	1000	117	25	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N60-Q	-	600	± 30	7.4	1.2	2.0	4.0	1400	115	20	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N60-R	-	600	± 30	7.4	1.2	2.0	4.0	1000	120	17	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N60Z	-	600	± 30	7.4	1	2.0	4.0	1400 (Max)	180 (Max)	21 (Max)	TO-263 TO-220 TO-220F1
8N60	-	600	± 30	8.0	1.2	2.0	4.0	965	105	12	TO-262 TO-220 TO-220F TO-220F1 TO-220F2
8N60-CBQ	-	600	± 30	8.0	1.1	2.0	4.0	350	100	4	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
8N60-E	-	600	± 30	8.0	1.4	2.0	4.0	830	125	10	TO-220F1 TO-220F2
8N60K-MT	-	600	± 30	8.0	1.2	2.0	4.0	1120	120	13	TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
8N60K-MTQ	-	600	± 30	8.0	1.4	2.0	4.0	540	95	10	TO-251S TO-252 TO-220F TO-220F1 TO-220F2
9N60*	-	600	± 30	9.0	1.05	2.0	4.0	-	-	-	TO-220 TO-220F
10N60	-	600	± 30	10.0	0.75	2.0	4.0	1750	166	18	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
10N60K	-	600	± 30	10.0	1.2	2.0	4.0	1000	125	18	TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
10N60-Q	-	600	± 30	10.0	0.9	2.0	4.0	1300	140	19	TO-220 TO-220F TO-220F1 TO-220F2
10N60K-MT	-	600	± 30	10.0	0.75	2.0	4.0	1570	166	18	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
10N60Z	-	600	± 20	10.0	0.75	2.0	4.0	1570	166	18	TO-220F1
10N60-CB	-	600	± 30	10.0	0.86	2.0	4.0	1610	135	115	TO-220 TO-220F TO-220F1
10N60Z-Q	-	600	± 20	10.0	0.8	2.0	4.0	790	139	22	TO-220F1
UK2996	-	600	± 30	10.0	1	2.0	4.0	1500	140	13	TO-220 TO-220F TO-220F1 TO-220F2
11N60K-MT	-	600	± 30	11.0	1	2.0	4.0	850	139	10	TO-220F2
12N60	-	600	± 30	12.0	0.8	2.0	4.0	1480	200	25	TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-3P

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
12N60K-MT	-	600	± 30	12.0	0.7	2.0	4.0	1600	173	10	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
14N60K-MT	-	600	± 30	14.0	0.63	2.0	4.0	950	300	40	TO-220F2
15N60	-	600	± 30	15.0	0.65	2.0	4.0	2600	260	22	TO-220 TO-220F1 TO-220F2 TO-247
18N60	-	600	± 30	18.0	0.5	2.0	4.0	2500	280	23	TO-247 TO-3P
20N60	-	600	± 20	20.0	0.45	2.0	4.0	4500	330	140	TO-247 TO-3P
22N60	-	600	± 30	22.0	0.35	2.0	4.0	3570	350	36	TO-247 TO-3P
03N65-KW	-	650	± 30	0.3	25	2.0	4.0	73	11.5	3.8	TO-92
1N65A	-	650	± 30	0.5	15.5	2.0	4.5	100 (Max)	20 (Max)	3 (Max)	SOT-223 TO-92 TO-251 TO-252
1N65Q-TA	-	650	± 30	1.0	9	2.0	4.0	153	20	3.5	TO-92
1N65	-	650	± 30	1.2	12.5	2.0	4.0	120	20	3	DFN-8(5X6) SOT-223 TO-92 TO-126 TO-251 TO-251L TO-252 TO-220 TO-220F
1N65-CB	-	650	± 30	1.00	11.5	2.0	4.0	125	20	4.5	TO-92 SOT-223 TO-251 TO-252
1N65-CBS	-	650	± 30	1.0	12.5	2.0	4.0	155	30	14	SOT-223 TO-92 TO-251 TO-252
1N65-KW	-	650	± 30	1.0	15	2.0	4.0	150	17.5	4.6	SOT-89 SOT-223 TO-92 TO-251
2N65	-	650	± 30	2.0	5	2.0	4.0	320	40	9	TO-126 TO-126S TO-251 TO-251L TO-251S TO-252 TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N65-C	-	650	± 30	2.0	5.5	3.0	5.0	240	56	13	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N65-CA	-	650	± 30	2.0	5.2	3.0	5.0	240	45	4.5	TO-252
2N65-CB	-	650	± 30	2.0	5	2.0	4.0	192	32	3.4	SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N65K	-	650	± 30	2.0	6	2.0	5.0	270	40	5	TO-252D TO-220F TO-220F1
2N65K-MT	-	650	± 30	2.0	6	2.0	4.0	240	33	4.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N65K-TA	-	650	± 30	2.0	5.2	3.0	5.0	200	40	14	TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
2N65L	-	650	± 30	2.0	5	2.0	4.0	270	40	5	TO-251 TO-251L TO-252 TO-252D TO-220 TO-220F TO-220F1
2N65Z	-	650	± 20	2.0	5	2.0	4.0	270	40	5	TO-251 TO-251L TO-252 TO-220 TO-220F TO-220F1
2N65ZL	-	650	± 20	2.0	5	2.0	4.0	270	40	5	TO-251 TO-252 TO-220F TO-220F1
2N65-CBS	-	650	± 30	2.0	9.5	2.0	4.0	158	19	3.5	DFN-8(5X6) SOT-223 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N65	-	650	± 30	3.0	3.8	2.0	4.0	430	50	11	DFN-8(5X6) TO-126 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-220 TO-220F TO-220F1
3N65A	-	650	± 30	3.0	3.8	2.0	4.0	350	50	5.5	TO-252
3N65-TA5	-	650	± 30	3.0	3.8	2.0	4.0	380	40	5	TO-251
3N65K-MK	-	650	± 30	3.0	4	2.5	4.5	388	41	5.1	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N65K-MK4	-	650	± 30	3.0	3.5	2.5	4.5	385	60	5	TO-252

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
3N65K-MT	-	650	± 30	3.0	3.8	2.0	4.0	303	41	5.1	TO-251 TO-251S TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
3N65Z	-	650	± 30	3.0	3.8	2.0	4.0	350	50	5.5	TO-220F
4N65	-	650	± 30	4.0	2.5	2.0	4.0	670	70	23	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65-C	-	650	± 30	4.0	3	2.5	4.5	425	55	5.8	TO-220F1
4N65-CB	-	650	± 30	4.0	2.6	2.0	4.0	255	54	52	TO-251 TO-252 TO-262 TO-220F TO-220F1 TO-220F2
4N65-E	-	650	± 30	4.0	2.5	2.0	4.0	500	90	15	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65K	-	650	± 30	4.0	2.5	2.0	4.0	670	50	5	TO-251 TO-252 TO-262 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65K-MK	-	650	± 30	4.0	3.1	2.5	4.5	480	47	5.4	TO-220F
4N65-TA5	-	650	± 30	4.0	2.8	2.0	4.0	520	52	6	TO-251
4N65K-MT	-	650	± 30	4.0	2.5	2.0	4.0	430	60	6	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65K-TA	-	650	± 30	4.0	2.8	3.0	5.0	320	50	5	TO-126 TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65K-TC	-	650	± 30	4.0	2.5	2.0	4.0	490	54	5.8	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4N65-N	-	650	± 30	4.0	3.1	2.0	4.0	700	100	53	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65-Q	-	650	± 30	4.0	3.1	2.0	4.0	470	50	10	DFN-8(5X6) TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N65-R	-	650	± 30	4.0	3.4	3.0	5.0	460	47	7	TO-220F1
4N65-S	-	650	± 30	4.0	2.9	2.0	4.0	420	40	4	DFN-8(5X6) TO-252 TO-220F1
4N65-U	-	650	± 30	4.0	2.5	2.0	4.0	980	55	44	TO-220F1
4N65Z	-	650	± 20	4.0	2.5	2.0	4.0	520	70	8	TO-220F
4N65Z-E	-	650	± 20	4.0	3.1	2.0	4.0	550	57	11	TO-252 TO-220F1
5N65	-	650	± 30	5.0	2.4	2.0	4.0	515	55	6.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N65-CB	-	650	± 30	5.0	2.3	2.0	4.0	265	60	60	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5N65K-MT	-	650	± 30	5.0	2.4	2.0	4.0	475	65	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N65K-MTQ	-	650	± 30	5.0	2.4	2.0	4.0	475	65	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N65Z	-	650	± 20	5.0	2.4	2.0	4.0	515	55	6.5	TO-220F1
6N65K-TA	-	650	± 30	6.0	1.6	2.0	4.0	835	76	6	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6N65-CB	-	650	± 30	6.0	1.62	2.0	4.0	850	80	65	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
6N65	-	650	± 30	6.2	1.7	2.0	4.0	950	95	18	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N65-C	-	650	± 30	6.0	1.7	2.0	4.0	350	85	7	TO-252 TO-220 TO-220F TO-220F1
6N65K	-	650	± 30	6.0	1.7	2.0	4.0	875	88	8	TO-252 TO-220F1 TO-220F2 TO-220F3
6N65K-MT	-	650	± 30	6.0	1.5	2.0	4.0	875	88	8	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N65-CBS	-	650	± 30	6.0	1.8	2.0	4.0	920	75	60	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6N65K-MTQ	-	650	± 30	6.0	2.4	2.0	4.0	475	65	6.5	TO-220F TO-220F1
6N65-P	-	650	± 30	6.2	2	2.0	4.0	800	80	10	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-220 TO-220F TO-220F1
6N65Z	-	650	± 20	6.2	1.85	2.0	4.0	840	80	17	TO-220F
6N65Z-Q	-	650	± 20	6.2	1.85	2.0	4.0	750	65	10.5	TO-220F
7N65	-	650	± 30	7.4	1.2	2.0	4.0	1210	140	40	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N65-CB	-	650	± 30	7.0	1.1	2.0	4.0	359	114	7	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N65-F	-	650	± 30	7.4	1.2	2.0	4.0	1080	110	30	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N65K	-	650	± 30	7.4	1.4	2.5	4.5	1400 (Max)	180 (Max)	21 (Max)	TO-263 TO-220 TO-220F TO-220F1
7N65K-MTQ	-	650	± 30	7.0	1.6	2.0	4.0	875	88	8	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N65L	-	650	± 30	7.4	1.2	2.0	4.0	1400 (Max)	180 (Max)	21 (Max)	TO-220 TO-220F TO-220F2
7N65-M	-	650	± 30	7.4	1.2	2.0	4.0	700	100	20	TO-220 TO-220F TO-220F1 TO-220F2
7N65-R	-	650	± 30	7.4	1.4	2.0	4.0	1290	105	10	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
7N65Z	-	650	± 30	7.4	1.2	2.0	4.0	1400 (Max)	180 (Max)	21 (Max)	TO-263 TO-220
8N65	-	650	± 30	8.0	1.4	2.0	4.0	1145	118	19	TO-262 TO-220 TO-220F TO-220F1 TO-220F3
8N65-E	-	650	± 30	8.0	1.4	2.0	4.0	331	90	8	TO-220 TO-220F TO-220F1
8N65K-MT	-	650	± 30	8.0	1.3	2.0	4.0	800	110	7	TO-220F1 TO-220F2 TO-220F3
8N65K-MTQ	-	650	± 30	8.0	1.4	2.0	4.0	875	88	8	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
9N65	-	650	± 30	9.0	1.1	2.0	4.0	1417	177	7	TO-220 TO-220F
9N65K-MT	-	650	± 30	9.0	1.1	2.0	4.0	870	122	10	TO-220F2
10N65	-	650	± 30	10.0	0.86	2.0	4.0	1570	166	18	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
10N65-C	-	650	± 30	10.0	0.8	2.0	4.0	1520	160	11	TO-220F
10N65T	-	650	± 30	10.0	0.95	2.0	4.0	1250	120	13	TO-220 TO-220F1 TO-220F2
10N65Z	-	650	± 20	10.0	0.95	2.0	4.0	1300	135	25	TO-220F1
10N65Z-Q	-	650	± 20	10.0	0.95	2.0	4.0	1300	123	15	TO-220F1
10N65-CB	-	650	± 30	10.0	1	2.0	4.0	1690	120	110	TO-220F TO-220F1
10N65-Q	-	650	± 30	10.0	1	2.0	4.0	1500	130	25	TO-220 TO-220F TO-220F1 TO-220F2
10N65K-MT	-	650	± 30	10.0	1	2.0	4.0	750	130	9	TO-262 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
10N65K	-	650	± 30	10.0	1.2	2.5	4.5	1200	110	10.5	TO-262 TO-220 TO-220F TO-220F1 TO-220F2
10N65K-MTQ	-	650	± 30	10.0	1.3	2.0	4.0	1100	125	7	TO-220F1
11N65K-MT	-	650	± 20	11.0	1	2.0	4.0	850	139	10	TO-220F2
12N65	-	650	± 30	12.0	0.85	2.0	4.0	1480	200	25	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-3P

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
12N65K-MT	-	650	± 30	12.0	0.75	2.0	4.0	1600	175	10	TO-220 TO-220F1 TO-220F2 TO-263
14N65K-MT	-	650	± 30	14.0	0.63	2.0	4.0	980	185	10	TO-220F2
15N65	-	650	± 30	15.0	0.65	2.0	4.0	2600	260	22	TO-220 TO-220F TO-220F2 TO-263 TO-247 TO-230
15N65K-MT	-	650	± 30	15.0	0.6	2.0	4.0	220	210	11	TO-220F2
16N65K-MT	-	650	± 30	16.0	0.54	2.0	4.0	1078	225	10	TO-220F2
18N65	-	650	± 30	18.0	0.5	2.0	4.0	2500	280	23	TO-230 TO-247 TO-3P
20N65	-	650	± 30	20.0	0.45	2.0	4.0	4500	300	140	TO-247 TO-3P
22N65	-	650	± 30	22.0	0.35	2.0	4.0	3200	350	36	TO-247 TO-3P
03N70-KW	-	700	± 30	0.3	28	2.0	4.0	68	10.4	3.8	TO-92
1N70Q-TA	-	700	± 30	1.0	13	2.0	4.0	155	20	4	TO-92
1N70	-	700	± 30	1.2	13.5	2.0	4.0	190	25	20	TO-92 TO-251 TO-251L TO-252
1N70K-TA	-	700	± 30	1.2	13.5	2.5	4.5	190	25	10	TO-92
1N70Z	-	700	± 20	1.2	13.5	2.0	4.0	120	20	3	TO-92
1D5N70K-TB	-	700	± 30	1.5	10	3.5	5.5	270	30	13	TO-252
2N70	-	700	± 30	2.0	6.3	2.0	4.0	270	38	5	TO-251 TO-252 TO-220 TO-220F TO-220F1
2N70-C	-	700	± 30	2.0	6.3	2.0	4.0	340	38	15	TO-251 TO-252 TO-220F TO-220F1
2N70-CA	-	700	± 30	2.0	5.2	3.0	5.0	240	37	3.7	TO-252
2N70-CB	-	700	± 30	2.0	6	2.0	4.0	310	35	12	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2
2N70K	-	700	± 30	2.0	7.5	2.0	4.0	270	38	5	TO-252 TO-220F2
2N70K-MT	-	700	± 30	2.0	5.5	2.0	4.0	258	31	4.6	TO-251 TO-251S TO-252 TO-252D TO-220F TO-220F1 TO-220F2 TO-220F3
2N70-M	-	700	± 30	2.0	6.3	2.0	4.0	270	38	5	TO-251
2N70Z	-	700	± 20	2.0	6.3	2.0	4.0	270	38	5	TO-251
2N70ZL	-	700	± 30	2.0	6.3	2.0	4.0	270	38	5	TO-251
3N70	-	700	± 30	3.0	4	2.0	4.0	350	50	5.5	TO-251 TO-252 TO-220F
3N70A	-	700	± 30	3.0	4	2.0	4.0	350	50	5.5	TO-252
3N70K-MK	-	700	± 30	3.0	4.2	2.5	4.5	422	37	4.4	TO-220F1
3N70K-MT	-	700	± 30	3.0	4	2.0	4.0	330	40	5.18	TO-251 TO-252 TO-220F TO-220F1 TO-220F2 TO-220F3
4N70	-	700	± 30	4.4	2.8	2.0	4.0	520	70	8	TO-251 TO-252 TO-262 TO-220 TO-220F TO-220F1
4N70-C	-	700	± 30	4.0	2.8	2.0	4.0	800	320	28	TO-252 TO-220F1
4N70-E	-	700	± 30	4.4	2.8	2.0	4.0	520	70	8	TO-220F1 TO-220F2
4N70K	-	700	± 30	4.4	2.8	2.0	4.0	660	48	5	TO-262 TO-220F2
4N70K-MK	-	700	± 30	4.4	3.2	2.5	4.5	480	45	5	TO-220F
4N70K-MT	-	700	± 30	4.4	3.2	2.0	4.0	350	55	5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252S TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
4N70K-TA	-	700	± 30	4.0	3.5	2.0	4.0	660	48	5	TO-251 TO-251S TO-252 TO-252D TO-262 TO-220F TO-220F1 TO-220F2 TO-220F3
4N70K-TC	-	700	± 30	4.0	3.3	2.0	4.0	254	56	6.3	TO-252 TO-220 TO-220F1 TO-251
4N70-R	-	700	± 30	4.0	3.8	3.0	5.0	450	45	6	TO-220F1
4N70-S	-	700	± 30	4.0	3.2	2.0	4.0	450	48	4	TO-252
4N70Z-E	-	700	± 30	4.4	3.1	2.0	4.0	600	55	15	TO-220F1
5N70K	-	700	± 30	5.0	2.4	2.0	4.0	515	55	6.5	TO-220F TO-220F2

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
5N70K-MT	-	700	± 30	5.0	2.4	2.0	4.0	515	55	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
5N70Z	-	700	± 20	5.0	2.5	2.0	4.0	420	55	9	TO-251 TO-252 TO-220F TO-220F1 TO-220F2
6N70	-	700	± 30	6.0	1.8	2.0	4.0	900	90	18	TO-262 TO-263 TO-220F TO-220F1 TO-220F2
6N70-C	-	700	± 30	6.0	1.8	2.0	4.0	700	79	6	TO-251 TO-251S TO-251S2 TO-251S4 TO-220F TO-220F2
6N70K-MT	-	700	± 30	6.0	1.6	2.0	4.0	480	80	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220F TO-220F1 TO-220F2 TO-220F3 TO-220F3
6N70K-TA	-	700	± 30	6.0	2	2.0	4.0	970	70	6	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N70K-MTQ	-	700	± 30	6.0	2.4	2.0	4.0	480	65	7.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
6N70-P	-	700	± 30	6.0	1.8	2.0	4.0	810	95	15	TO-251 TO-251L TO-251S TO-251S2 TO-251S4 TO-252 TO-220F TO-220F2
6N70Z	-	700	± 20	6.0	1.9	2.0	4.0	900	90	18	SOT-82 TO-251
7N70	-	700	± 30	7.0	1.6	2.0	4.0	1200	150	60	TO-262 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N70K-MTQ	-	700	± 30	7.0	1.7	2.0	4.0	480	80	6.5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-220F TO-220F1 TO-220F2
7N70-R	-	700	± 30	7.0	1.4	2.0	4.0	750	100	13	TO-220F1
7N70-M	-	700	± 30	7.0	1.4	2.0	4.0	1000	97	19	TO-220F1
8N70	-	700	± 30	8.0	1.4	2.0	4.0	1600	124	13.7	TO-220 TO-220F TO-220F1
8N70K-MT	-	700	± 30	8.0	1.4	2.0	4.0	1120	113	21	TO-220F1 TO-220F2 TO-220F3
9N70	-	700	± 30	9.0	1.25	2.0	4.0	1500	130	10	TO-220 TO-220F
10N70	-	700	± 30	10.0	1.2	2.0	4.0	890	200	65	TO-220F TO-220F1 TO-220F2
10N70-C	-	700	± 30	10.0	0.86	2.0	4.0	1495	414	8	TO-220F
10N70K	-	700	± 30	10.0	1.1	2.0	4.0	1150	108	10	TO-220F1
10N70-Q	-	700	± 30	10.0	1.2	2.0	4.0	1400	125	20	TO-220F TO-220F1
10N70T	-	700	± 30	10.0	1.2	2.0	4.0	930	115	5.2	TO-220F TO-220F2
10N70Z	-	700	± 20	10.0	1.2	2.0	4.0	1570	166	18	TO-220F1
10N70Z-Q	-	700	± 20	10.0	1.2	2.0	4.0	890	120	14	TO-220F1
10N70-CB	-	700	± 30	10.0	1.26	2.0	4.0	1680	120	103	TO-220F TO-220F1
12N70	-	700	± 30	12.0	1	2.0	4.0	1600	160	25	TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
12N70K-MT	-	700	± 30	12.0	0.83	2.0	4.0	1600	160	9	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
15N70	-	700	± 30	15.0	0.56	3.0	5.0	2790	300	27	TO-3P
7N75	-	750	± 30	7.0	1.7	2.0	4.0	1200	150	18	TO-220
10N75	-	750	± 30	10.0	1.3	2.0	4.0	2150	180	15	TO-220 TO-220F TO-220F1
1N80	-	800	± 30	1.0	13.5	3.0	5.0	150	20	2.7	TO-251 TO-252 TO-220 TO-220F TO-220F1
2N80	-	800	± 30	2.4	6.3	3.0	5.0	550	45	7	TO-251 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2
2N80Z	-	800	± 20	2.4	6.3	3.0	5.0	425	45	5.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
3N80	-	800	± 30	3.0	4.2	3.0	4.5	485	57	11	TO-251 TO-251S4 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
3N80Z	-	800	± 20	3.0	4.2	3.0	4.5	485	57	11	TO-220F1

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
4N80	-	800	± 30	4.0	3	3.0	5.0	680	75	8.6	TO-251 TO-252 TO-252D TO-262 TO-220 TO-220F TO-220F1 TO-220F2
4N80-N	-	800	± 30	4.0	3	3.0	5.0	570	65	9.5	TO-251 TO-252
4N80-KA	-	800	± 30	4.0	3	3.0	5.0	570	65	9.5	TO-252
5N80	-	800	± 30	5.5	2.5	3.0	5.0	900	100	14	TO-220 TO-220F TO-220F1 TO-262
5N80Z	-	800	± 20	5.0	2	3.0	5.0	860	208	13	TO-220F1
6N80	-	800	± 30	6.0	2	3.0	5.0	1010	90	8	TO-220 TO-220F TO-220F1 TO-262
7N80	-	800	± 30	7.0	1.8	3.0	5.0	1200	120	17	TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
7N80-Q	-	800	± 30	7.0	1.8	3.0	5.0	700	110	15	TO-220F TO-220F1
7N80Z	-	800	± 20	7.0	1.8	3.0	5.0	1290	120	10	TO-220F1
8N80	-	800	± 30	8.0	1.45	3.0	5.0	1580	135	13	TO-220 TO-220F TO-220F1 TO-220F2
9N80	-	800	± 30	9.0	1.3	3.0	5.0	2020	195	82	TO-220 TO-220F1 TO-220F2
10N80	-	800	± 30	10.0	1.1	3.0	5.0	2150	180	15	TO-230 TO-220F2 TO-3P
11N80	-	800	± 30	11.0	1	3.0	5.0	970	200	23	TO-230 TO-220F1 TO-220F2 TO-3P
12N80	-	800	± 30	12.0	1	3.0	5.0	4200	315	90	TO-230 TO-220F2 TO-247 TO-3P
1N90	-	900	± 30	1.0	16	3.0	5.0	200	22	5	TO-251 TO-251S TO-251S2 TO-251S4 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
1N90-MK6	-	900	± 30	1.0	16	2.0	4.0	245	30	4	TO-252 TO-220 TO-220F TO-220F1
2N90	-	900	± 30	2.2	7.2	3.0	5.0	480	45	7	TO-251 TO-252 TO-252D TO-220 TO-220F
2N90Z	-	900	± 20	2.2	7.2	3.0	5.0	390	45	5.5	TO-220F
3N90	-	900	± 30	3.0	4.8	3.0	4.5	560	69	11	TO-230 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
3N90-E	-	900	± 30	3.0	6.2	3.0	5.0	430	47	7.7	TO-251 TO-251S2 TO-251S4 TO-252
3N90Z	-	900	± 20	3.0	4.8	3.0	4.5	590	63	13	TO-220F1
4N90	-	900	± 30	4.0	4.2	3.0	5.0	1000	49	13	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3 TO-3P
4N90-N	-	900	± 30	4.0	4.2	3.0	5.0	900	67	50	TO-251 TO-252
4N90-KA	-	900	± 30	4.0	4.2	3.0	5.0	900	67	50	TO-252
4N90Z	-	900	± 20	4.0	2.2	3.0	5.0	1000	49	13	TO-220F1
5N90	-	900	± 30	5.0	2.8	3.0	5.0	1200	110	13	TO-262 TO-263 TO-220 TO-220F TO-3P
6N90	-	900	± 30	6.2	2.3	3.0	5.0	1260	160	15	TO-262 TO-220 TO-220F TO-220F1
6N90Z	-	900	± 20	6.2	2.3	3.0	5.0	1270	110	15	TO-262 TO-220 TO-220F1
7N90	-	900	± 30	7.0	1.8	3.0	5.0	1440	140	17	TO-262 TO-263 TO-220F TO-220F1 TO-220F2
7N90	-	900	± 30	7.0	1.8	3.0	5.0	1440	140	17	TO-3P
7N90-MK6	-	900	± 30	7.0	2.2	3.0	5.0	1450	115	95	TO-220
8N90	-	900	± 30	8.0	1.55	3.0	5.0	1600	130	12	TO-220 TO-220F2
9N90	-	900	± 30	9.0	1.4	3.0	5.0	2100	175	14	TO-230 TO-220F1 TO-220F2 TO-247 TO-3P TO-3PN
9N90-Q	-	900	± 30	9.0	1.4	3.0	5.0	1450	157	21	TO-220 TO-3P
10N90	-	900	± 30	10.0	1.35	3.0	5.0	2760	245	105	TO-247 TO-3P
11N90	-	900	± 30	11.0	1.1	3.0	5.0	980	170	18	TO-220 TO-220F1 TO-220F2 TO-3P TO-3PN
12N90	-	900	± 30	12.0	1.1	3.0	5.0	1800	190	20	TO-230 TO-220F1
9N95	-	950	± 30	9.0	1.4	3.0	5.0	2100	175	14	TO-230 TO-247
9N95-E	-	950	± 30	9.0	1.4	3.0	5.0	2100	175	14	TO-230

Power MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
4N100	-	1000	± 30	4.0	3.5	3.0	5.0	1100	90	13	TO-220 TO-220F1 TO-220F2
9N100	-	1000	± 30	9.0	1.7	3.0	5.0	960	120	20	TO-247

DEPLETION-MODE MOSFET

N-CH	P-CH	Maximum Ratings			$R_{DS(ON)}$ (Ω) at	$V_{GS(th)}$ (V)		Dynamic Parameters			Package
		V_{DSS}	V_{GSS}	I_D	V_{GS}			C_{ISS}	C_{OSS}	C_{RSS}	
		(V)	($\pm V$)	(A)	10V MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
UF601	-	600	± 20	0.185	120	-1.5	-2.7	53	3000	2.6	SOT-23 SOT-223
UF601Q	-	600	± 20	0.185	700	-1.5	-2.7	15	145	4	SOT-23-3 SOT-23

Super Junction MOSFET

Part No.	Maximum Ratings			R _{DS(ON)} (Ω) at V _{GS}	V _{GS(th)} (V)		Dynamic Parameters			Package
	V _{DSS}	V _{GSS}	ID	10V			C _{ISS}	C _{OSS}	C _{RSS}	
	(V)	(±V)	(A)	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
04NM50	500	±30	0.4	12	2.5	4.5	30	25	7.5	SOT-223
08NM50	500	±30	0.8	9	2.5	4.5	38	35	8	SOT-223
1NM50	500	±30	1.0	4.5	2.5	4.5	82	73	12	TO-252
1NM50-S	500	±30	1.0	5	2.5	4.5	64	45	8	TO-252 TO-220F1
2NM50	500	±30	2.0	2.1	2.5	4.5	135	120	21	TO-252
3NM50	500	±30	3.0	1.8	2.5	4.5	155	137	25	TO-252
4NM50	500	±30	4.0	1.3	2.5	4.5	215	175	27	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5NM50	500	±30	5.0	1.08	2.5	4.5	270	210	32	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6NM50	500	±30	6.0	0.75	2.5	4.5	295	200	40	TO-252 TO-220F TO-220F1
7NM50	500	±30	7.0	0.55	2.5	4.5	455	360	48	TO-252 TO-220F1
8NM50	500	±30	8.0	0.49	2.5	4.5	460	430	62	TO-252 TO-220F1
9NM50	500	±30	9.0	0.4	2.5	4.5	580	500	68	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM50-S	500	±30	9.0	0.43	2.5	4.5	545	460	62	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
10NM50	500	±30	10.0	0.35	2.5	4.5	620	480	56	TO-252 TO-220F1
11NM50	500	±30	11.0	0.32	2.5	4.5	755	630	62	TO-220F1
15NM50	500	±30	15.0	0.35	2.5	4.5	625	330	15	TO-220F1
18NM50-SH	500	±30	18.0	0.24	2.0	4.5	770	640	88	TO-220 TO-220F TO-220F1 TO-220F2
20NM50	500	±30	20.0	0.24	2.0	4.0	1500	980	110	TO-220F3
21NM50	500	±30	21.0	0.22	2.5	4.5	770	640	88	TO-220 TO-220F TO-220F1 TO-220F2 TO-247
22NM50	500	±30	22.0	0.15	2.0	4.0	1440	1385	119	TO-220 TO-220F TO-220F1 TO-220F2
24NM50	500	±30	24.0	0.125	2.5	4.5	2260	1550	140	TO-220F2
30NM50	500	±30	30.0	0.11	2.5	4.5	2800	1700	130	TO-220F2
60NM50	500	±30	60.0	0.05	2.5	4.5	5300	3100	1030	TO-247
02NM60	600	±30	0.2	17	2.5	4.5	26	18	4	SOT-89 TO-92 SOT-223
05NM60	600	±30	0.5	13.2	2.5	4.5	39	24	4	SOT-89 TO-92 SOT-223
08NM60	600	±30	0.8	6.15	2.5	4.5	84	45	7	SOT-89 TO-92 SOT-223
2NM60	600	±30	2.0	2.5	2.5	4.5	167	109	11.5	SOT-223 TO-251 TO-252 TO-220F1
2NM60-Q	600	±30	2.0	3.1	2.5	4.5	128	95	11	SOT-223 TO-251 TO-252 TO-220F1
2NM60-SHS	600	±30	2.0	3.5	2.5	4.5	119	79	10	SOT-223 TO-251 TO-252 TO-220F1
3NM60	600	±30	3.0	1.86	2.5	4.5	222	148	15	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4NM60	600	±30	4.0	1.5	2.5	4.5	256	165	16	TO-251 TO-251S TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6NM60-Q	600	±30	6.0	1.08	2.5	4.5	330	165	20	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7NM60	600	±30	7.4	0.95	2.5	4.5	300	120	13	TO-251 TO-252 TO-220F1
7NM60-Q	600	±30	7	1.2	2.5	4.5	330	165	20	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
8NM60	600	±30	8.0	0.78	2.5	4.5	330	248	3.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM60	600	±30	9.0	0.6	2.5	4.5	725	370	26	TO-220 TO-220F TO-220F1 TO-220F2
11NM60	600	±30	11.0	0.5	2.5	4.5	800	320	28	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-263
13NM60	600	±30	13.0	0.45	2.5	4.5	300	330	40	TO-252 TO-263 TO-220 TO-220F TO-220F1 TO-220F2
15NM60	600	±30	15.0	0.35	2.5	4.5	1140	500	18	TO-263 TO-251 TO-252 TO-220 TO-220F TO-220F1
18NM60	600	±30	18.0	0.35	2.5	4.5	1100	750	65	TO-252 TO-220 TO-220F TO-220F1 TO-220F2
24NM60	600	±30	24.0	0.16	2.5	4.5	2200	1250	75	TO-251 TO-251S2 TO-220 TO-220F TO-220F1 TO-220F2 TO-247
7NM64	640	±25	5.0	0.95	1.0	3.0	250	180	20	TO-252
02NM65	650	±30	0.2	17	2.5	4.5	30	18	4.5	SOT-223 SOT-89 TO-92

Super Junction MOSFET

Part No.	Maximum Ratings			R _{DS(ON)} (Ω) at V _{GS}	V _{GS(th)} (V)		Dynamic Parameters			Package
	V _{DSS}	V _{GSS}	ID	10V			C _{ISS}	C _{OSS}	C _{RSS}	
	(V)	(±V)	(A)	MAX	MIN	MAX	(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
05NM65	650	±30	0.5	13	2.5	4.5	38	24	4	SOT-223 SOT-89 TO-92
08NM65	650	±30	0.8	6.15	2.5	4.5	67	41	6	SOT-223 SOT-89 TO-92
1NM65	650	±30	1.0	3.5	2.5	4.5	117	66	7	SOT-223 TO-251
1NM65-Q	650	±30	1.0	4.6	2.5	4.5	89	51	5.5	SOT-223 TO-251
2NM65-SH	650	±30	2.0	2.6	2.5	4.5	151	110	12	SOT-223 TO-251 TO-252 TO-220F1
2NM65-SHQ	650	±30	2.0	3	2.5	4.5	135	90	10	SOT-223 TO-251 TO-252 TO-220F1
2NM65-SHS	650	±30	2.0	3.5	2.5	4.5	128	76	9.3	SOT-223 TO-251 TO-252 TO-220F1
3NM65-SH	650	±30	3.0	1.6	2.5	4.5	151	132	16	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4NM65-SHA	650	±30	4.0	1.5	2.5	4.5	250	177	19	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6NM65	650	±30	6.0	1.15	2.5	4.5	190	150	27	TO-251 TO-252 TO-220F TO-220F1
6NM65-SH	650	±30	6.0	1.1	2.5	4.5	212	137	20	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7NM65	650	±30	7.0	0.9	2.5	4.5	375	238	26	TO-251 TO-251S2 TO-252 TO-220 TO-220F TO-220F1
8NM65-SH	650	±30	8.0	0.78	2.5	4.5	332	252	3.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM65	650	±30	9.0	0.6	2.5	4.5	550	375	28	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM65-S	650	±30	9.0	0.64	2.5	4.5	510	350	226	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
10NM65-SH	650	±30	10.0	0.68	2.5	4.5	610	400	35	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
11NM65-SH	650	±30	11.0	0.6	2.5	4.5	660	400	20	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
13NM65-SH	650	±30	13.0	0.5	2.5	4.5	375	340	8	TO-252 TO-220F TO-220F1
15NM65-SH	650	±30	15.0	0.35	2.5	4.5	1140	500	18	TO-263 TO-220 TO-220F TO-220F1
18NM65-SH	650	±30	18.0	0.35	2.5	4.5	1200	300	13	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
24NM65	650	±30	24.0	0.16	2.5	4.5	2200	1250	75	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-247
30NM65	650	±30	30.0	0.14	2.5	4.5	2575	1435	85	TO-220 TO-220F2 TO-247
60NM65	650	±30	60.0	0.065	2.5	4.5	5400	2500	70	TO-247
02NM70	700	±30	0.2	19.2	2.5	4.5	26	17	5	SOT-89 SOT-223 TO-92 TO-251
05NM70	700	±30	0.5	14.4	2.5	4.5	40	22	5	SOT-223 TO-92 TO-251
08NM70	700	±30	0.8	7.2	2.5	4.5	73	31	5	SOT-223 SOT-89 TO-92
1NM70-S	700	±30	1.0	4.3	2.5	4.5	250	46	6.5	TO-92 SOT-223 TO-251 TO-220F1
1NM70-Q	700	±30	1.0	5.4	2.5	4.5	92	37	5	TO-92 SOT-223 TO-251 TO-220F1
2NM70-SH	700	±30	2.0	2.8	2.5	4.5	150	100	12	SOT-223 TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
2NM70-Q	700	±30	2.0	3.3	2.5	4.5	125	85	10	SOT-223 TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
3NM70-SH	700	±30	3.0	2	2.5	4.5	146	131	16	SOT-223 TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4NM70-SHA	700	±30	4.0	1.6	2.5	4.5	250	160	5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
4NM70	700	±30	4.0	1.8	2.5	4.5	275	130	17	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
5NM70	700	±30	5.0	1.3	2.5	4.5	330	215	20	TO-251 TO-251S TO-251S2 TO-251NS2 TO-252 TO-220F1
5NM70-U2	700	±30	5.0	1.4	2.5	4.5	280	135	18	SOT-223 TO-251 TO-251S2 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
6NM70-SH	700	±30	6.0	1.2	2.5	4.5	178	154	18	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
7NM70	700	±30	7.0	1	2.5	4.5	340	120	6.5	TO-251 TO-251S2 TO-251NS2 TO-252 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
8NM70-SH	700	±30	8.0	0.9	2.5	4.5	460	275	19	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2

Super Junction MOSFET

Part No.	Maximum Ratings			R _{DS(ON)} (Ω) at VGS	V _{GS(th)} (V)		Dynamic Parameters			Package
	V _{DSS}	V _{GSS}	ID	10V	MIN	MAX	C _{ISS}	C _{OSS}	C _{RSS}	
	(V)	(±V)	(A)	MAX			(pF) (Typ)	(pF) (Typ)	(pF) (Typ)	
9NM70-SH	700	±30	9.0	0.7	2.5	4.5	575	330	31	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM70-SHS	700	±30	9.0	0.9	2.5	4.5	560	360	26	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
10NM70-SH	700	±30	10.0	0.6	2.5	4.5	680	290	26.5	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
11NM70-SH	700	±30	11.0	0.7	2.5	4.5	850	220	12	TO-251 TO-251S2 TO-252 TO-262 TO-262S TO-220 TO-220F TO-220F1
15NM70-SH	700	±30	15.0	0.5	2.5	4.5	1180	275	13	TO-220 TO-220F
18NM70-SH	700	±30	18.0	0.35	2.5	4.5	340	295	30	TO-251 TO-252 TO-263 TO-220 TO-220F TO-220F1 TO-220F2 TO-220F3
24NM70-SH	700	±30	24.0	0.19	2.5	4.5	2000	900	45	TO-220F2
30NM70-SH	700	±30	30.0	0.17	2.5	4.5	2310	955	53	TO-220F2
60NM70-SH	700	±30	60.0	0.08	2.5	4.5	4520	1500	60	TO-247
2NM80	800	±30	2.0	3.7	2.5	4.5	270	85	8	TO-251 TO-252 TO-220 TO-220F1
3NM80	800	±30	3.0	2.8	2.5	4.5	260	110	9	TO-251 TO-252 TO-220 TO-220F1
4NM80A	800	±30	4.0	2	2.5	4.5	320	135	9	TO-251 TO-252 TO-220 TO-220F1
4NM80	800	±30	4.0	2.4	2.5	4.5	250	100	7	TO-251 TO-252 TO-220 TO-220F1
5NM80	800	±30	5.0	1.6	2.5	4.5	360	160	11	TO-251 TO-252 TO-220 TO-220F1
6NM80	800	±30	6.0	1.2	2.5	4.5	700	100	15	TO-252 TO-220 TO-220F1
6NM80	800	±30	6.0	1.2	2.5	4.5	470	225	14	TO-251 TO-252 TO-262 TO-220 TO-220F1
8NM80	800	±30	8.0	0.75	2.5	4.5	800	300	17	TO-251 TO-252 TO-262 TO-220 TO-220F TO-220F1 TO-220F2
10NM80	800	±30	10.0	0.6	2.5	4.5	1060	380	20	TO-220 TO-220F TO-220F1
12NM80	800	±30	12.0	0.42	2.5	4.5	1255	470	21	TO-220 TO-220F TO-220F1
13NM80	800	±30	13.0	0.35	2.5	4.5	1650	580	25	TO-220 TO-220F TO-220F1
2NM90	900	±30	2.0	5.3	2.5	4.5	205	100	5	TO-251S2 TO-252 TO-220 TO-220F1
3NM90	900	±30	3.0	4.9	2.5	4.5	235	110	6	TO-251S2 TO-252 TO-220 TO-220F1
4NM90A	900	±30	4.0	3.2	2.5	4.5	310	105	5	TO-251S2 TO-252 TO-220 TO-220F1
4NM90	900	±30	4.0	4.1	2.5	4.5	280	125	7	TO-251S2 TO-252 TO-220 TO-220F1
5NM90	900	±30	5.0	2.5	2.5	4.5	380	160	8	TO-251S2 TO-252 TO-220 TO-220F1
6NM90	900	±30	6.0	1.9	2.5	4.5	500	165	7	TO-251S2 TO-252 TO-220 TO-220F1
8NM90	900	±30	8.0	1.2	2.5	4.5	740	275	8	TO-251S2 TO-252 TO-220 TO-220F1
10NM90	900	±30	10.0	1	2.5	4.5	840	240	4	TO-251S2 TO-252 TO-220 TO-220F1
12NM90	900	±30	12.0	0.7	2.5	4.5	1230	425	9	TO-220 TO-220F1 TO-247
13NM90	900	±30	13.0	0.5	2.5	4.5	1800	475	6	TO-220 TO-220F1 TO-3P TO-247
6NM95	950	±30	6.0	1.9	2.5	4.5	500	165	7	TO-251 TO-252 TO-220 TO-220F TO-220F1 TO-220F2
9NM95	950	±30	9.0	1.25	2.5	4.5	740	275	8	TO-251S2 TO-252 TO-220 TO-220F1

IGBT

Part No.	Maximum Ratings			$V_{CE(Sat)}$ (V)			$V_{GS(th)}$ (V)		Package
	V_{CER}	V_{GES}	I_C	SPEC.	Conditions		MIN	MAX	
	(V)	($\pm V$)	(A)	MAX	I_C (A)	V_{GE} (mA)			
UG15N41	410	15	15.0	1.8	6	4	1.1	1.9	TO-263
UGV3040	450	30	17.0	1.6	6	4	1.3	2.2	TO-252 TO-263 TO-220 TO-220F
UGP7N60	600	20	14.0	2.7	7	15	4.5	7.2	TO-252 TO-220 TO-220F
UG1N120	1200	20	2.7	2.9	1	15	6.0	-	TO-220
UG5N120	1200	20	10.0	2.7	5	15	6.0	-	TO-220
UG10N120	1200	20	17.0	2.7	10	15	6.0	-	TO-220
UG25N120	1200	20	25.0	2.5	20	15	3.5	7.5	TO-220 TO-3P TO-247

Part No.	Maximum Ratings			Quadrant	Electrical Characteristics (T _A =25°C)							Package
	I _{T(RMS)}	V _{DRM}	I _{GM}		I _{GT} MAX. mA				V _{GT} (V)	V _{TM} (V)	I _H (mA)	
	(A)	(V)	(A)		(+, +)	(+, -)	(-, -)	(-, +)	MAX	MAX	MAX	
MAC97A6	0.6	400	1.0	IV	5.0	5.0	5.0	7.0	2.0	1.90	10	SOT-89 SOT-223 TO-92
MAC97A8	0.6	600	1.0	IV	5.0	5.0	5.0	7.0	2.0	1.90	10	SOT-89 SOT-223 TO-92
Z00607	0.8	600	1.0	IV	5.0	5.0	5.0	7.0	1.3	1.50	5	TO-92
UZ0103	1.0	600(-6) 800(-8)	1.0	IV	3.0	3.0	3.0	5.0	1.3	1.56	7	SOT-223 TO-92
UZ0107	1.0	600(-6) 800(-8)	1.0	IV	5.0	5.0	5.0	7.0	1.3	1.56	7	SOT-223
SM2LZ47	2.0	800	1.6	III	1.5	1.5	1.5	-	1.5	2.00	10	TO-220 TO-220F TO-220F1
UBCR2	2.0	800	1.0	III	10.0	10.0	10.0	-	2.0	2.10	2.98(Typ)	TO-220 TO-220F TO-220F1
UBCR308	8.0	700	2.0	III	30.0	30.0	30.0	-	1.5	1.60	-	TO-220 TO-220F TO-220F1
UCR316CM	16.0	400(-4) 600(-6)	2.0	III	30.0	30.0	30.0	-	1.5	1.50	50	TO-220 TO-220F
UCR316CMA	16.0	400(-4) 600(-6)	2.0	III	20.0	20.0	20.0	-	1.5	1.50	50	TO-220 TO-220F
BTA04	4.0	400(-4) 600(-6) 700(-7) 800(-8)	4.0	IV	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 10.0(D) 10.0(S) 25.0(A)	1.5	1.65	15(T) 15(D) 25(S) 25(A)	TO-220F
BTA304A	4.0	600	4.0	III	10.0	10.0	10.0	-	1.5	1.65	15	TO-220F
BTB04	4.0	400(-4) 600(-6)	4.0	IV	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 5.0(D) 10.0(S) 10.0(A)	5.0(T) 10.0(D) 10.0(S) 25.0(A)	1.5	1.65	15(T) 15(D) 25(S) 25(A)	TO-220
BTB304A	4.0	400(-4) 600(-6) 900(-9)	4.0	III	10.0	10.0	10.0	-	1.5	1.65	25	TO-251 TO-252 TO-252D TO-220
BTA06	6.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220F
BTA306A	6.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	TO-220F
BTB06	6.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220
BTB306A	6.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	TO-220
BTA08	8.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220F TO-220F1
BTA308A	8.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	TO-220F TO-220F1
BTB08	8.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220
BTB308A	8.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	DFN-8(5X6) TO-220
BTA10	10.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220F
BTA310A	10.0	600(-6) 800(-8)	4.0	III	35.0(C) 50.0(B)	35.0(C) 50.0(B)	35.0(C) 50.0(B)	-	1.3	1.55	35(C) 50(B)	TO-220F
BTB10	10.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220
BTB310A	10.0	600(-6) 800(-8)	4.0	III	35.0(C) 50.0(B)	35.0(C) 50.0(B)	35.0(C) 50.0(B)	-	1.3	1.55	35(C) 50(B)	TO-220
BTA12	12.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220F
BTA312A	12.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	TO-220F TO-220F1
BTB12	12.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220
BTB312A	12.0	600(-6) 800(-8)	4.0	III	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	5.0(T) 10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	10(T) 15(S) 35(C) 50(B)	TO-220
BTA16	16.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220F
BTA316A	16.0	600(-6) 800(-8)	4.0	III	10.0(S) 35.0(C) 50.0(B)	10.0(S) 35.0(C) 50.0(B)	10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	15(S) 35(C) 50(B)	TO-220F TO-220F1

Part No.	Maximum Ratings			Quadrant	Electrical Characteristics (T _a =25°C)								Package
	I _{T(RMS)}	V _{DRM}	I _{GM}		I _{GT} MAX. mA				V _{GT} (V)	V _{TM} (V)	I _H (mA)		
	(A)	(V)	(A)		(+, +)	(+, -)	(-, -)	(-, +)	MAX	MAX	MAX		
BTB16	16.0	600(-6) 800(-8)	4.0	IV	25.0(C) 50.0(B)	25.0(C) 50.0(B)	25.0(C) 50.0(B)	50.0(C) 100.0(B)	1.3	1.55	25(C) 50(B)	TO-220	
BTB316A	16.0	600(-6) 800(-8)	4.0	III	10.0(S) 35.0(C) 50.0(B)	10.0(S) 35.0(C) 50.0(B)	10.0(S) 35.0(C) 50.0(B)	-	1.3	1.55	15(S) 35(C) 50(B)	TO-220	
BTA320A	20.0	600(-6) 700(-7)	4.0	III	30.0(C) 50.0(B)	30.0(C) 50.0(B)	30.0(C) 50.0(B)	-	1.5	1.70	50(C) 75(B)	TO-220F	
BTB320A	20.0	600(-6) 700(-7)	4.0	III	30.0(C) 50.0(B)	30.0(C) 50.0(B)	30.0(C) 50.0(B)	-	1.5	1.70	50(C) 75(B)	TO-220	
BTB25	25.0	600(-6) 800(-8)	4.0	IV	50.0(B)	50.0(B)	50.0(B)	100.0(B)	1.3	1.55	80(B)	TO-220	
BTB325A	25.0	600(-6) 800(-8)	4.0	III	35.0(C) 50.0(B)	35.0(C) 50.0(B)	35.0(C) 50.0(B)	-	1.3	1.55	70(C) 80(B)	TO-220	
BTA324A	25.0	600(-6) 800(-8)	4.0	III	35.0(C) 50.0(B)	35.0(C) 50.0(B)	35.0(C) 50.0(B)	-	1.3	1.55	50(C) 75(B)	TO-220F	
BTB24	25.0	600(-6) 800(-8)	4.0	IV	50.0(B)	50.0(B)	50.0(B)	100(B)	1.3	1.55	80(B)	TO-220	
BTB324A	25.0	600(-6) 800(-8)	4.0	III	35.0(C) 50.0(B)	35.0(C) 50.0(B)	35.0(C) 50.0(B)	-	1.3	1.55	50(C) 75(B)	TO-220	
BTA40	40.0	600(-6) 800(-8)	8.0	IV	50.0	50.0	50.0	100.0	1.3	1.55	80	TO-247	
BTB40	40.0	600(-6) 800(-8)	8.0	IV	50.0	50.0	50.0	100.0	1.3	1.55	80	TO-3P	
U12JZ47	12.0	400(-4) 600(-6)	2.0	III	30.0	30.0	30.0	-	1.5	1.50	50	TO-220F	
U12JZ47A	12.0	400(-4) 600(-6)	2.0	III	20.0	20.0	20.0	-	1.5	1.50	50	TO-220F	
UT131	1.0	500(-5) 600(-6) 800(-8)	2.0	IV	3.0	3.0	5.0	7.0	1.5	1.50	5	SOT-223 TO-92	
UT134E	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.70	15	TO-126	
UT134F	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.70	15	TO-126	
UT134G	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.70	30	TO-126	
UT136E	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.70	15	TO-252 TO-220	
UT136F	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.70	15	TO-252 TO-220	
UT136G	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.70	30	TO-252 TO-220	
UT136FE	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.70	15	TO-220F	
UT136FF	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.70	15	TO-220F	
UT136FG	4.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.70	30	TO-220	
UT137E	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.65	20	TO-252 TO-220	
UT137F	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.65	20	TO-220	
UT137G	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.65	40	TO-220	
UT137FE	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.65	20	TO-220F	
UT137FF	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.65	20	TO-220 TO-220F	
UT137FG	8.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.65	40	TO-220 TO-220F	
UT138E	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.65	30	TO-220	

TRIAC

Part No.	Maximum Ratings			Quadrant	Electrical Characteristics (T _a =25°C)							Package
	I _{T(RMS)}	V _{DRM}	I _{GM}		I _{GT} MAX. mA				V _{GT} (V)	V _{TM} (V)	I _H (mA)	
	(A)	(V)	(A)		(+, +)	(+, -)	(-, -)	(-, +)	MAX	MAX	MAX	
UT138F	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.65	30	TO-220
UT138G	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.65	60	TO-220
UT138FE	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.65	20	TO-220F
UT138FF	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.65	30	TO-220F
UT138FG	12.0	500(-5) 600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.65	60	TO-220F
UT139	16.0	600(-6) 800(-8)	2.0	IV	35.0	35.0	35.0	70.0	1.5	1.60	30	TO-220
UT139E	16.0	600(-6) 800(-8)	2.0	IV	10.0	10.0	10.0	25.0	1.5	1.60	30	TO-220
UT139F	16.0	600(-6) 800(-8)	2.0	IV	25.0	25.0	25.0	70.0	1.5	1.60	30	TO-220
UT139G	16.0	600(-6) 800(-8)	2.0	IV	50.0	50.0	50.0	100.0	1.5	1.60	60	TO-220

SCR

Part No.	Maximum Ratings			Electrical Characteristics (T _A =25°C)				Package
	I _{T(RMS)}	V _{DRM}	I _{GM}	I _{GT} (mA)	V _{GT} (V)	V _{TM} (V)	I _H (mA)	
	(A)	(V)	(A)	MAX	MAX	MAX	MAX	
2N6027	0.2	40	-	0.000	-	1.60	-	SOT-89 TO-92
MCR08	0.8	200(-2) 600(-6)	-	0.2	0.8	1.7	5	SOT-89 SOT-223 TO-92
MCR100	0.8	200(-2) 400(-4) 600(-6)	1	0.2	0.8	1.7	5	SOT-23 SOT-89 SOT-223 TO-92
MCR101	0.8	200(-2) 400(-4) 600(-6)	1	0.2	0.8	1.7	5	TO-92
MCR106	4.0	400(-4) 600(-6)	0.2	0.2	1.0	2.0	5	TO-126 TO-220F
XL1225	0.8	400	0.1	0.2	0.8	1.4	5	SOT-23 TO-92
ML1225	0.8	300	0.1	0.2	0.8	1.4	5	SOT-23 TO-92
PCR406	0.8	300(-5) 400(-6)	1.0	0.2	0.8	1.4	5	TO-92
US104S	4.0	400(-4) 600(-6) 800(-8)	1.2	0.2	0.8	1.6	5	TO-220 TO-220F
US104N	4.0	400(-4) 600(-6) 800(-8)	1.2	15.0	1.3	1.6	30	TO-220 TO-220F
US108S	8.0	400(-4) 600(-6) 800(-8)	4.0	0.2	0.8	1.6	5	TO-252 TO-263-3 TO-220 TO-220F
US108N	8.0	400(-4) 600(-6) 800(-8)	4.0	15.0	1.3	1.6	30	TO-252 TO-263-3 TO-220 TO-220F
US112S	12.0	400(-4) 600(-6) 800(-8)	4.0	0.2	0.8	1.6	5	TO-220 TO-220F
CR03AM-12	0.47	600	-	0.1	0.8	1.8	3	TO-92
CR03AM-16	0.47	800	-	0.1	0.8	1.8	3	TO-92
X0202	1.25	600	1.2	0.2	0.8	1.45	5	SOT-223 TO-92
X0202A	1.25	800	1.2	0.2	0.8	1.45	5	SOT-223 TO-92
X0202B	1.25	1000	1.2	0.2	0.8	1.45	5	SOT-223 TO-92
BT150	4.0	500(-500) 650(-650) 800(-800)	2.0	0.2	1.5	1.8	6	TO-220
BT151	12.0	500(-5) 650(-6) 800(-8)	2.0	15	1.5	1.75	15	TO-252 TO-252D TO-220
BT152	20.0	400(-4) 650(-6) 800(-8)	5.0	32	1.5	1.75	60	TO-220 TO-220F
BT169	0.8	200(-B) 400(-D) 500(-E) 600(-G) 800(-H)	-	0.055	0.8	1.35	5	SOT-223 TO-92

DIODE

Part No.	Configuration	V _Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z _{ZT} (Ω)	I _{ZT} (mA)	I _R (μA)	V _R (V)	
BZT52B2V4S	Single	2.40	2.35	2.45	85	5.0	100.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B2V7S	Single	2.70	2.65	2.75	83	5.0	75.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B3S	Single	3.00	2.94	3.06	95	5.0	50.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B3V3S	Single	3.30	3.23	3.37	95	5.0	25.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B3V6S	Single	3.60	3.53	3.67	95	5.0	15.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B3V9S	Single	3.90	3.82	3.98	95	5.0	10.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B4V3S	Single	4.30	4.21	4.39	95	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B4V7S	Single	4.70	4.61	4.79	78	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
BZT52B5V1S	Single	5.10	5.00	5.20	60	5.0	0.1	0.8	SOD-323 SOD-123 SOT-23
BZT52B5V6S	Single	5.60	5.49	5.71	40	5.0	0.1	1.0	SOD-323 SOD-123 SOT-23
BZT52B6V2S	Single	6.20	6.08	6.32	10	5.0	0.1	2.0	SOD-323 SOD-123 SOT-23
BZT52B6V8S	Single	6.80	6.66	6.94	8	5.0	0.1	3.0	SOD-323 SOD-123 SOT-23
BZT52B7V5S	Single	7.50	7.35	7.65	7	5.0	0.1	5.0	SOD-323 SOD-123 SOT-23
BZT52B8V2S	Single	8.20	8.04	8.36	7	5.0	0.1	6.0	SOD-323 SOD-123 SOT-23
BZT52B8V7S	Single	8.70	8.53	8.87	7	5.0	0.1	6.5	SOD-323 SOD-123 SOT-23
BZT52B9V1S	Single	9.10	8.92	9.28	10	5.0	0.1	7.0	SOD-323 SOD-123 SOT-23
BZT52B10S	Single	10.00	9.80	10.20	15	5.0	0.1	7.5	SOD-323 SOD-123 SOT-23
BZT52B11S	Single	11.00	10.78	11.22	20	5.0	0.1	8.5	SOD-323 SOD-123 SOT-23
BZT52B12S	Single	12.00	11.76	12.24	20	5.0	0.1	9.0	SOD-323 SOD-123 SOT-23
BZT52B13S	Single	13.00	12.74	13.26	25	5.0	0.1	10.0	SOD-323 SOD-123 SOT-23
BZT52B14S	Single	14.00	13.72	14.28	25	5.0	0.1	10.5	SOD-323 SOD-123 SOT-23
BZT52B15S	Single	15.00	14.70	15.30	30	5.0	0.1	11.0	SOD-323 SOD-123 SOT-23
BZT52B16S	Single	16.00	15.68	16.32	40	5.0	0.1	12.0	SOD-323 SOD-123 SOT-23
BZT52B17S	Single	17.00	16.66	17.34	40	5.0	0.1	13.0	SOD-323 SOD-123 SOT-23
BZT52B18S	Single	18.00	17.64	18.36	50	5.0	0.1	14.0	SOD-323 SOD-123 SOT-23
BZT52B20S	Single	20.00	19.60	20.40	50	5.0	0.1	15.0	SOD-323 SOD-123 SOT-23
BZT52B22S	Single	22.00	21.56	22.44	55	5.0	0.1	17.0	SOD-323 SOD-123 SOT-23
BZT52B24S	Single	24.00	23.52	24.48	80	5.0	0.1	18.0	SOD-323 SOD-123 SOT-23
BZT52B27S	Single	27.00	26.46	27.54	80	5.0	0.1	20.0	SOD-323 SOD-123 SOT-23
BZT52B28S	Single	28.00	27.44	28.56	80	5.0	0.1	22.0	SOD-323 SOD-123 SOT-23
BZT52B30S	Single	30.00	29.40	30.60	80	2.0	0.1	21.0	SOD-323 SOD-123 SOT-23
BZT52C2V0S	Single	2.00	1.91	2.09	100	5.0	150.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C2V4S	Single	2.40	2.20	2.60	100	5.0	50.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C2V7S	Single	2.70	2.50	2.90	100	5.0	20.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C3S	Single	3.00	2.80	3.20	100	5.0	10.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C3V3S	Single	3.30	3.10	3.50	95	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C3V6S	Single	3.60	3.40	3.80	95	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C3V9S	Single	3.90	3.70	4.10	90	5.0	3.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C4V3S	Single	4.30	4.00	4.60	90	5.0	3.0	1.0	SOD-323 SOD-123 SOT-23
BZT52C4V7S	Single	4.70	4.40	5.00	90	5.0	2.0	2.0	SOD-323 SOD-123 SOT-23
BZT52C5V1S	Single	5.10	4.80	5.40	60	5.0	1.0	2.0	SOD-323 SOD-123 SOT-23
BZT52C5V6S	Single	5.60	5.20	6.00	40	5.0	3.0	2.0	SOD-323 SOD-123 SOT-23
BZT52C6V2S	Single	6.20	5.80	6.60	10	5.0	2.0	4.0	SOD-323 SOD-123 SOT-23
BZT52C6V8S	Single	6.80	6.40	7.20	15	5.0	0.7	4.0	SOD-323 SOD-123 SOT-23
BZT52C7V5S	Single	7.50	7.00	7.90	15	5.0	0.5	5.0	SOD-323 SOD-123 SOT-23
BZT52C8V2S	Single	8.20	7.70	8.70	15	5.0	0.2	5.0	SOD-323 SOD-123 SOT-23

DIODE

Part No.	Configuration	V _Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z _{ZT} (Ω)	I _{ZT} (mA)	I _R (μA)	V _R (V)	
BZT52C9V1S	Single	9.10	8.50	9.60	15	5.0	0.1	6.0	SOD-323 SOD-123 SOT-23
BZT52C10S	Single	10.00	9.40	10.60	15	5.0	0.1	7.0	SOD-323 SOD-123 SOT-23
BZT52C11S	Single	11.00	10.40	11.60	15	5.0	0.1	8.0	SOD-323 SOD-123 SOT-23
BZT52C12S	Single	12.00	11.40	12.70	25	5.0	0.1	8.0	SOD-323 SOD-123 SOT-23
BZT52C13S	Single	13.00	12.40	14.10	30	5.0	0.1	8.0	SOD-323 SOD-123 SOT-23
BZT52C15S	Single	15.00	13.80	15.60	30	5.0	0.1	10.5	SOD-323 SOD-123 SOT-23
BZT52C16S	Single	16.00	15.30	17.10	40	5.0	0.1	11.2	SOD-323 SOD-123 SOT-23
BZT52C18S	Single	18.00	16.80	19.10	45	5.0	0.1	12.6	SOD-323 SOD-123 SOT-23
BZT52C20S	Single	20.00	18.80	21.20	55	5.0	0.1	14.4	SOD-323 SOD-123 SOT-23
BZT52C22S	Single	22.00	20.80	23.30	55	5.0	0.1	16.4	SOD-323 SOD-123 SOT-23
BZT52C24S	Single	24.00	22.80	25.60	70	5.0	0.1	18.4	SOD-323 SOD-123 SOT-23
BZT52C27S	Single	27.00	25.10	28.90	80	2.0	0.1	21.4	SOD-323 SOD-123 SOT-23
BZT52C30S	Single	30.00	28.00	32.00	80	2.0	0.1	24.4	SOD-323 SOD-123 SOT-23
BZT52C33S	Single	33.00	31.00	35.00	80	2.0	0.1	27.4	SOD-323 SOD-123 SOT-23
BZT52C36S	Single	36.00	34.00	38.00	90	2.0	0.1	30.4	SOD-323 SOD-123 SOT-23
BZT52C39S	Single	39.00	37.00	41.00	130	2.0	0.1	33.4	SOD-323 SOD-123 SOT-23
UMMSZ5219A	Single	1.80	1.76	1.84	50	20.0	150.0	1.0	SOD-123
UMMSZ5220A	Single	2.00	1.96	2.04	50	20.0	150.0	1.0	SOD-123
UMMSZ5221A	Single	2.40	2.35	2.45	30	20.0	100.0	1.0	SOD-123
UMMSZ5222A	Single	2.50	2.45	2.55	30	20.0	100.0	1.0	SOD-123
UMMSZ5223A	Single	2.70	2.65	2.75	30	20.0	75.0	1.0	SOD-123
UMMSZ5225A	Single	3.00	2.94	3.06	30	20.0	50.0	1.0	SOD-123
UMMSZ5226A	Single	3.30	3.23	3.37	28	20.0	25.0	1.0	SOD-123
UMMSZ5227A	Single	3.60	3.53	3.67	24	20.0	15.0	1.0	SOD-123
UMMSZ5228A	Single	3.90	3.82	3.98	23	20.0	10.0	1.0	SOD-123
UMMSZ5229A	Single	4.30	4.21	4.39	22	20.0	5.0	1.0	SOD-123
UMMSZ5230A	Single	4.70	4.61	4.79	19	20.0	5.0	2.0	SOD-123
UMMSZ5231A	Single	5.10	5.00	5.20	17	20.0	5.0	2.0	SOD-123
UMMSZ5232A	Single	5.60	5.49	5.71	11	20.0	5.0	3.0	SOD-123
UMMSZ5234A	Single	6.20	6.08	6.32	7	20.0	5.0	4.0	SOD-123
UMMSZ5235A	Single	6.80	6.66	6.94	5	20.0	3.0	5.0	SOD-123
UMMSZ5236A	Single	7.50	7.35	7.65	6	20.0	3.0	6.0	SOD-123
UMMSZ5237A	Single	8.20	8.04	8.36	8	20.0	3.0	6.0	SOD-123
UMMSZ5238A	Single	8.70	8.53	8.87	8	20.0	3.0	6.5	SOD-123
UMMSZ5239A	Single	9.10	8.92	9.28	10	20.0	3.0	6.5	SOD-123
UMMSZ5240A	Single	10.00	9.80	10.20	17	20.0	3.0	8.0	SOD-123
UMMSZ5241A	Single	11.00	10.78	11.22	22	20.0	2.0	8.4	SOD-123
UMMSZ5242A	Single	12.00	11.76	12.24	30	20.0	1.0	9.1	SOD-123
UMMSZ5243A	Single	13.00	12.74	13.26	13	9.5	0.5	9.9	SOD-123
UMMSZ5244A	Single	14.00	13.72	14.28	15	9.0	0.1	10.5	SOD-123
UMMSZ5245A	Single	15.00	14.70	15.30	16	8.5	0.1	11.0	SOD-123
UMMSZ5246A	Single	16.00	15.68	16.32	17	7.8	0.1	12.0	SOD-123
UMMSZ5247A	Single	17.00	16.66	17.34	19	7.5	0.1	13.0	SOD-123
UMMSZ5248A	Single	18.00	17.64	18.36	21	7.0	0.1	14.0	SOD-123
UMMSZ5250A	Single	20.00	19.60	20.40	25	6.2	0.1	15.0	SOD-123
UMMSZ5251A	Single	22.00	21.56	22.44	29	5.6	0.1	17.0	SOD-123

DIODE

Part No.	Configuration	V _Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z _{ZT} (Ω)	I _{ZT} (mA)	I _R (μA)	V _R (V)	
UMMSZ5252A	Single	24.00	23.52	24.48	33	5.2	0.1	18.0	SOD-123
UMMSZ5254A	Single	27.00	26.46	27.54	41	5.0	0.1	21.0	SOD-123
UMMSZ5255A	Single	28.00	27.44	28.56	44	4.5	0.1	21.0	SOD-123
UMMSZ5256A	Single	30.00	29.40	30.60	49	4.2	0.1	23.0	SOD-123
UMMSZ5257A	Single	33.00	32.34	33.66	58	3.8	0.1	25.0	SOD-123
UMMSZ5221B	Single	2.40	2.28	2.52	30	20.0	100.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5222B	Single	2.50	2.38	2.63	30	20.0	100.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5223B	Single	2.70	2.57	2.84	30	20.0	75.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5224B	Single	2.80	2.66	2.94	30	20.0	75.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5225B	Single	3.00	2.85	3.15	30	20.0	50.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5226B	Single	3.30	3.14	3.47	28	20.0	25.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5227B	Single	3.60	3.42	3.78	24	20.0	15.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5228B	Single	3.90	3.71	4.10	23	20.0	10.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5229B	Single	4.30	4.09	4.52	22	20.0	5.0	1.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5230B	Single	4.70	4.47	4.94	19	20.0	5.0	2.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5231B	Single	5.10	4.85	5.36	17	20.0	5.0	2.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5232B	Single	5.60	5.32	5.88	11	20.0	5.0	3.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5233B	Single	6.00	5.70	6.30	7	20.0	5.0	3.5	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5234B	Single	6.20	5.89	6.51	7	20.0	5.0	4.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5235B	Single	6.80	6.46	7.14	5	20.0	3.0	5.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5236B	Single	7.50	7.13	7.88	6	20.0	3.0	6.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5237B	Single	8.20	7.79	8.61	8	20.0	3.0	6.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5238B	Single	8.70	8.27	9.14	8	20.0	3.0	6.5	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5239B	Single	9.10	8.65	9.56	10	20.0	3.0	6.5	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5240B	Single	10.00	9.50	10.50	17	20.0	3.0	8.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5241B	Single	11.00	10.45	11.55	22	20.0	2.0	8.4	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5242B	Single	12.00	11.40	12.60	30	20.0	1.0	9.1	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5243B	Single	13.00	12.35	13.65	13	9.5	0.5	9.9	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5244B	Single	14.00	13.30	14.70	15	9.0	0.1	10.5	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5245B	Single	15.00	14.25	15.75	16	8.5	0.1	11.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5246B	Single	16.00	15.20	16.80	17	7.8	0.1	12.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5247B	Single	17.00	16.15	17.85	19	7.5	0.1	13.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5248B	Single	18.00	17.10	18.90	21	7.0	0.1	14.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5249B	Single	19.00	18.05	19.95	23	6.6	0.1	14.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5250B	Single	20.00	19.00	21.00	25	6.2	0.1	15.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5251B	Single	22.00	20.90	23.10	29	5.6	0.1	17.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5252B	Single	24.00	22.80	25.20	33	5.2	0.1	18.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5253B	Single	25.00	23.75	26.25	35	5.0	0.1	19.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5254B	Single	27.00	25.65	28.35	41	5.0	0.1	21.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5255B	Single	28.00	26.60	29.40	44	4.5	0.1	21.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23

DIODE

Part No.	Configuration	V _Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z _{ZT} (Ω)	I _{ZT} (mA)	I _R (uA)	V _R (V)	
UMMSZ5256B	Single	30.00	28.50	31.50	49	4.2	0.1	23.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5257B	Single	33.00	31.35	34.65	58	3.8	0.1	25.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5258B	Single	36.00	34.20	37.80	70	3.4	0.1	27.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5259B	Single	39.00	37.05	40.95	80	3.2	0.1	30.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5260B	Single	43.00	40.85	45.15	93	3.0	0.1	33.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5261B	Single	47.00	44.65	49.35	105	2.7	0.1	36.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
UMMSZ5262B	Single	51.00	48.45	53.55	125	2.5	0.1	39.0	SOD-523 SOD-323 SOD-123 LL-34 SOT-23
ZD1.8	Single	1.80	1.71	1.89	100	5.0	20.0	1.0	SOD-323 SOD-123 SOT-23
ZD2.4	Single	2.40	2.28	2.52	100	5.0	20.0	1.0	SOD-323 SOD-123 SOT-23
ZD2.5	Single	2.50	2.38	2.63	100	5.0	20.0	1.0	SOD-323 SOD-123 SOT-23
ZD3.3	Single	3.30	3.14	3.47	100	5.0	10.0	1.0	SOD-323 SOD-123 SOT-23
ZD3.9	Single	3.90	3.71	4.10	100	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
ZD4.3	Single	4.30	4.09	4.52	100	5.0	5.0	1.0	SOD-323 SOD-123 SOT-23
ZD4.7	Single	4.70	4.47	4.94	100	5.0	2.0	1.0	SOD-323 SOD-123 SOT-23
ZD5.1	Single	5.10	4.85	5.36	80	5.0	2.0	1.5	SOD-323 SOD-123 SOT-23
ZD5.6	Single	5.60	5.32	5.88	60	5.0	1.0	2.5	SOD-323 SOD-123 SOT-23
ZD6.0	Single	6.00	5.70	6.30	60	5.0	1.0	2.5	SOD-323 SOD-123 SOT-23
ZD6.2	Single	6.20	5.89	6.51	60	5.0	1.0	3.0	SOD-323 SOD-123 SOT-23
ZD6.8	Single	6.80	6.46	7.14	40	5.0	0.5	3.5	SOD-323 SOD-123 SOT-23
ZD7.5	Single	7.50	7.13	7.88	30	5.0	0.5	4.0	SOD-323 SOD-123 SOT-23
ZD8.2	Single	8.20	7.79	8.61	30	5.0	0.5	5.0	SOD-323 SOD-123 SOT-23
ZD9.1	Single	9.10	8.65	9.56	30	5.0	0.5	6.0	SOD-323 SOD-123 SOT-23
ZD10	Single	10.00	9.50	10.50	30	5.0	0.1	7.0	SOD-323 SOD-123 SOT-23
ZD11	Single	11.00	10.45	11.55	30	5.0	0.1	8.0	SOD-323 SOD-123 SOT-23
ZD12	Single	12.00	11.40	12.60	30	5.0	0.1	9.0	SOD-323 SOD-123 SOT-23
ZD13	Single	13.00	12.35	13.65	37	5.0	0.1	10.0	SOD-323 SOD-123 SOT-23
ZD15	Single	15.00	14.25	15.75	42	5.0	0.1	11.0	SOD-323 SOD-123 SOT-23
ZD16	Single	16.00	15.20	16.80	50	5.0	0.1	12.0	SOD-323 SOD-123 SOT-23
ZD18	Single	18.00	17.10	18.90	65	5.0	0.1	13.0	SOD-323 SOD-123 SOT-23
ZD20	Single	20.00	19.00	21.00	85	5.0	0.1	15.0	SOD-323 SOD-123 SOT-23
ZD22	Single	22.00	20.90	23.10	100	5.0	0.1	17.0	SOD-323 SOD-123 SOT-23
ZD24	Single	24.00	22.80	25.20	120	5.0	0.1	19.0	SOD-323 SOD-123 SOT-23
ZD25	Single	25.00	23.75	26.25	130	5.0	0.1	19.0	SOD-323 SOD-123 SOT-23
ZD27	Single	27.00	25.65	28.35	150	5.0	0.1	21.0	SOD-323 SOD-123 SOT-23
ZD30	Single	30.00	28.50	31.50	200	5.0	0.1	23.0	SOD-323 SOD-123 SOT-23
ZD33	Single	33.00	31.35	34.65	250	5.0	0.1	25.0	SOD-323 SOD-123 SOT-23
ZD36	Single	36.00	34.20	37.80	300	5.0	0.1	27.0	SOD-323 SOD-123 SOT-23
1N4745A	Single	16.00	-	-	16	0.3	0.1	12.2	DO-41
UUDZ 12B	Single	12.00	11.74	12.24	30	5.0	0.1	9.0	SOD-323
AZ23C1V8	Dual	1.80	1.79	1.91	90	5.0	150.0	1.0	SOT-323
AZ23C2V0	Dual	2.00	1.90	2.10	90	5.0	150.0	1.0	SOT-323
AZ23C2V4	Dual	2.40	2.28	2.52	85	5.0	100.0	1.0	SOT-323
AZ23C2V7	Dual	2.70	2.57	2.84	83	5.0	75.0	1.0	SOT-323
AZ23C3V0	Dual	3.00	2.85	3.15	95	5.0	50.0	1.0	SOT-323
AZ23C3V3	Dual	3.30	3.14	3.47	95	5.0	25.0	1.0	SOT-323

DIODE

Part No.	Configuration	V _Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z _{ZT} (Ω)	I _{ZT} (mA)	I _R (μA)	V _R (V)	
AZ23C3V6	Dual	3.60	3.42	3.78	90	5.0	5.0	1.0	SOT-323
AZ23C3V9	Dual	3.90	3.71	4.10	90	5.0	3.0	1.0	SOT-323
AZ23C4V3	Dual	4.30	4.09	4.52	95	5.0	5.0	1.0	SOT-323
AZ23C4V7	Dual	4.70	4.47	4.94	78	5.0	5.0	5.0	SOT-323
AZ23C5V1	Dual	5.10	4.85	5.36	60	5.0	0.1	0.8	SOT-323
AZ23C5V6	Dual	5.60	5.32	5.88	40	5.0	0.1	1.0	SOT-323
AZ23C6V2	Dual	6.20	5.89	6.51	10	5.0	0.1	2.0	SOT-323
AZ23C6V8	Dual	6.80	6.46	7.14	8	5.0	0.1	3.0	SOT-323
AZ23C7V5	Dual	7.50	7.13	7.88	7	5.0	0.1	5.0	SOT-323
AZ23C8V2	Dual	8.20	7.79	8.61	7	5.0	0.1	6.0	SOT-323
AZ23C8V7	Dual	8.70	8.27	9.14	7	5.0	0.1	6.5	SOT-323
AZ23C9V1	Dual	9.10	8.65	9.56	10	5.0	0.1	7.0	SOT-323
AZ23C10	Dual	10.00	9.50	10.50	15	5.0	0.1	7.5	SOT-323
AZ23C11	Dual	11.00	10.45	11.55	20	5.0	0.1	8.5	SOT-323
AZ23C12	Dual	12.00	11.40	12.60	20	5.0	0.1	9.0	SOT-323
AZ23C13	Dual	13.00	12.35	13.65	25	5.0	0.1	10.0	SOT-323
AZ23C14	Dual	14.00	13.30	14.70	25	5.0	0.1	10.5	SOT-323
AZ23C15	Dual	15.00	14.25	15.75	30	5.0	0.1	11.0	SOT-323
AZ23C16	Dual	16.00	15.20	16.80	40	5.0	0.1	12.0	SOT-323
AZ23C17	Dual	17.00	16.15	17.85	40	5.0	0.1	13.0	SOT-323
AZ23C18	Dual	18.00	17.10	18.90	50	5.0	0.1	14.0	SOT-323
AZ23C20	Dual	20.00	19.00	21.00	50	5.0	0.1	15.0	SOT-323
AZ23C22	Dual	22.00	20.90	23.10	55	5.0	0.1	17.0	SOT-323
AZ23C24	Dual	24.00	22.80	25.20	80	5.0	0.1	18.0	SOT-323
AZ23C27	Dual	27.00	25.65	28.35	80	5.0	0.1	20.0	SOT-323
AZ23C28	Dual	28.00	26.60	29.40	80	5.0	0.1	22.0	SOT-323
DZ23C2V7	Dual	2.70	2.50	2.90	83	5.0	75.0	1.0	SOT-23
DZ23C3V0	Dual	3.00	2.80	3.20	95	5.0	50.0	1.0	SOT-23
DZ23C3V3	Dual	3.30	3.10	3.50	95	5.0	25.0	1.0	SOT-23
DZ23C3V6	Dual	3.60	3.40	3.80	90	5.0	5.0	1.0	SOT-23
DZ23C3V9	Dual	3.90	3.70	4.10	90	5.0	3.0	1.0	SOT-23
DZ23C4V3	Dual	4.30	4.00	4.60	95	5.0	5.0	1.0	SOT-23
DZ23C4V7	Dual	4.70	4.40	5.00	78	5.0	5.0	1.0	SOT-23
DZ23C5V1	Dual	5.10	4.80	5.40	60	5.0	0.1	0.8	SOT-23
DZ23C5V6	Dual	5.60	5.20	6.00	40	5.0	0.1	1.0	SOT-23
DZ23C6V2	Dual	6.20	5.80	6.60	10	5.0	0.1	2.0	SOT-23
DZ23C6V8	Dual	6.80	6.40	7.20	8	5.0	0.1	3.0	SOT-23
DZ23C7V5	Dual	7.50	7.00	7.90	7	5.0	0.1	5.0	SOT-23
DZ23C8V2	Dual	8.20	7.70	8.70	7	5.0	0.1	6.0	SOT-23
DZ23C9V1	Dual	9.10	8.50	9.60	10	5.0	0.1	7.0	SOT-23
DZ23C10	Dual	10.00	9.40	10.60	15	5.0	0.1	7.5	SOT-23
DZ23C11	Dual	11.00	10.40	11.60	20	5.0	0.1	8.5	SOT-23
DZ23C12	Dual	12.00	11.40	12.70	20	5.0	0.1	9.0	SOT-23
DZ23C13	Dual	13.00	12.40	14.10	25	5.0	0.1	10.0	SOT-23
DZ23C15	Dual	15.00	13.80	15.60	30	5.0	0.1	11.0	SOT-23
DZ23C16	Dual	16.00	15.30	17.10	40	5.0	0.1	12.0	SOT-23

DIODE

Part No.	Configuration	V_Z			Max Zener Impedance		Max Reverse Leakage		Package
		(V) (Typ)	(V) (Min)	(V) (Max)	Z_{ZT} (Ω)	I_{ZT} (mA)	I_R (μ A)	V_R (V)	
DZ23C18	Dual	18.00	16.80	19.10	50	5.0	0.1	14.0	SOT-23
DZ23C20	Dual	20.00	18.80	21.20	50	5.0	0.1	15.0	SOT-23
DZ23C22	Dual	22.00	20.80	23.30	55	5.0	0.1	17.0	SOT-23
DZ23C24	Dual	24.00	22.80	25.60	80	5.0	0.1	18.0	SOT-23
DZ23C27	Dual	27.00	25.10	28.90	80	5.0	0.1	20.0	SOT-23

DIODE

Bridge Diode

Part No.	Maximum Ratings				Electrical Characteristics (T _A =25°C)				Package
	I _F	V _{DC}	V _{RM}	I _{FSM}	V _{FM}		I _R	V _R (V)	
	(A)	(V)	(V)	(A)	(V)	I _F (A)	(μ A)		
MB05S	0.8	50	35	30	0.8	1.1	5	50	MBF
MB1S	0.8	100	70	30	0.8	1.1	5	100	MBF
MB2S	0.8	200	140	30	0.8	1.1	5	200	MBF
MB4S	0.8	400	280	30	0.8	1.1	5	400	MBF
MB6S	0.8	600	420	30	0.8	1.1	5	600	MBF
MB8S	0.8	800	560	30	0.8	1.1	5	800	MBF
MB10S	0.8	1000	700	30	0.8	1.1	5	1000	MBF
ABS2	0.8	200	140	35	0.95	1.0	5	200	ABS
ABS4	0.8	400	280	35	0.95	0.4	5	400	ABS
ABS6	0.8	600	420	35	0.95	0.4	5	600	ABS
ABS8	0.8	800	560	35	0.95	0.4	5	800	ABS
ABS10	0.8	1000	700	35	0.95	0.4	5	1000	ABS
DB106G	1.0	-	560	50	1.1	1	10	800	DFM
DB107G	1.0	-	700	50	1.1	1	10	1000	DFM
ABS2U	1.0	200	140	35	1.1	1.0	5	200	ABS
ABS4U	1.0	400	280	35	1.1	1.0	5	400	ABS
ABS6U	1.0	600	420	35	1.1	1.0	5	600	ABS
ABS8U	1.0	800	560	35	1.1	1.0	5	800	ABS
ABS10U	1.0	1000	700	35	1.1	1.0	5	1000	ABS
MB1SU	1.0	100	70	35	1.0	1.1	5	100	MBS
MB2SU	1.0	200	140	35	1.0	1.1	5	200	MBS
MB4SU	1.0	400	280	35	1.0	1.1	5	400	MBS
MB6SU	1.0	600	420	35	1.0	1.1	5	600	MBS
MB8SU	1.0	800	560	35	1.0	1.1	5	800	MBS
MB10SU	1.0	1000	700	35	1.0	1.1	5	1000	MBS
MB05FU	1.0	50	35	35	1.1	1.0	5	50	MBF
MB1FU	1.0	100	70	35	1.1	1.0	5	100	MBF
MB2FU	1.0	200	140	35	1.1	1.0	5	200	MBF
MB4FU	1.0	400	280	35	1.1	1.0	5	400	MBF
MB6FU	1.0	600	420	35	1.1	1.0	5	600	MBF
MB8FU	1.0	800	560	35	1.1	1.0	5	800	MBF
MB10FU	1.0	1000	700	35	1.1	1.0	5	1000	MBF
SBS34	3.0	40	28	80	0.5	3	500	40	ABS

DIODE

Rectifier Diode

Rectifier	Part No.	Configuration	Maximum Ratings			Electrical Characteristics(T _A =25°C)			Package
			I _F	V _{RM} (V _R)	I _{FSM}	V _{FM}	I _{RM} (I _R)	trr(ns)	
			(A)	(V)	(A)	Rating MAX (V)	Rating MAX (μA)	Rating MAX (nS)	
SuperFast	ES1A	Single	1	50	30	0.95	5	35	SMA
SuperFast	ES1B	Single	1	100	30	0.95	5	35	SMA
SuperFast	ES1C	Single	1	150	30	0.95	5	35	SMA
SuperFast	ES1D	Single	1	200	30	0.95	5	35	SMA
SuperFast	ES1E	Single	1	300	30	0.95	5	35	SMA
SuperFast	ES1G	Single	1	400	30	1.25	5	35	SMA
SuperFast	ES1J	Single	1	600	30	1.25	5	35	SMA
SuperFast	ES2D	Single	2	200	50	0.95	5	35	SMB
SuperFast	ES2J	Single	2	600	50	1.70	5	35	SMB
SuperFast	ES3J	Single	3	600	100	1.50	5	50	SMC
SuperFast	DSE804	Single	8	400	125	1.30	1	50	TO-220-2 TO-220F-2
SuperFast	ER1004	Single	10	400	150	1.30	10	50	TO-220F-2 TO-220
SuperFast	DSE804	Dual	8	400	125	1.30	1	50	TO-220F
SuperFast	ER1004C	Dual	10	400	150	1.30	10	50	TO-220 TO-220F
SuperFast	UAD92	Dual	20	200	100	0.95	200	40	TO-247 TO-3P
SuperFast	UA60UP30	Dual	60	300	300	1.50	100	45	TO-3P
UltraFast	US1D	Single	1	200	30	1.00	5	50	SMA
UltraFast	US1M	Single	1	1000	30	1.70	5	75	SMA
UltraFast	BYC5	Single	5	500	40	2.90	100	50	TO-252 TO-220-2
UltraFast	UMUR820	Single	8	200	100	0.975	5	58	TO-220-2
UltraFast	UMUR860	Single	8	600	100	1.5	5	60	TO-220-2
UltraFast	BYC8	Single	8	600	60	2.90	150	52	SMB TO-252 TO-220-2
UltraFast	BYR29	Single	8	600	60	1.95	10	75	TO-220-2
UltraFast	BYC10	Single	10	600	65	2.90	200	55	TO-220-2 TO-220 TO-220F
UltraFast	BYR79	Single	15	600	130	1.20	50	60	TO-220-2
UltraFast	UMUR1560	Single	15	600	150	1.50	10	70	TO-220-2
UltraFast	BYC15	Single	15	600	200	2.90	200	55	TO-220-2
UltraFast	UMUR2020	Single	20	200	250	1.10	50	95	TO-220-2
UltraFast	UMUR2060	Single	20	600	150	1.50	10	50	TO-220-2
UltraFast	BYC20	Single	20	600	250	2.90	200	55	TO-220-2
UltraFast	UMUR2520	Single	25	200	500	0.95	10	50	TO-220-2
UltraFast	UMUR1660	Dual	16	600	150	1.50	10	60	TO-220 TO-220F TO-220F1 TO-263
UltraFast	UUR1660	Dual	16	600	100	1.90	10	40	TO-220 TO-220F TO-220F1 TO-263
UltraFast	SFR1020C	Dual	10	200	50	0.90	50	40	TO-220
UltraFast	FCU20UC20	Dual	20	200	120	1.08	25	31	TO-220F1
UltraFast	FCU20UC30	Dual	20	300	120	1.30	25	33	TO-220 TO-220F TO-220F1
UltraFast	U30D40D	Dual	30	400	250	1.30	10	50	TO-247
UltraFast	UMUR3060	Dual	30	600	180	1.70	10	60	TO-247
UltraFast	UUR3060	Dual	30	600	180	2.90	60	50	TO-247
UltraFast	UUD80D40	Dual	80	400	300	1.50	10	108(Typ)	TO-3P
HyperFast	UHRP15120	Single	15	1200	200	3.20	100	65	TO-220-2
Fast	RS1002FL	Single	1	200	30	1.30	1	150	SOD-123F
Fast	RS1006FL	Single	1	600	30	1.30	5	250	SOD-123F
Fast	RS1010FL	Single	1	1000	30	1.30	1	500	SOD-123F
Fast	RS1K	Single	1	800	30	1.30	5	500	SMA

DIODE

Rectifier	Part No.	Configuration	Maximum Ratings			Electrical Characteristics(T _A =25°C)			Package
			I _F	V _{RM} (V _R)	I _{FSM}	V _{FM}	I _{RM} (I _R)	trr(ns)	
			(A)	(V)	(A)	Rating MAX (V)	Rating MAX (μA)	Rating MAX (nS)	
Fast	RS1M	Single	1	100	30	1.30	5	500	SMA
General	GS1010FL	Single	1	1000	30	1.10	10	-	SOD-123F
General	GS1M	Single	1	1000	30	1.10	5	-	SMAF
General	S2M	Single	2	1000	60	1.10	5	-	SMA SMB
Glass-passivated	FR104G	Single	1	400	30	1.30	5	150	DO-41
Glass-passivated	1N4004G	Single	1	400	30	1.10	5	-	DO-41 SMA
Glass-passivated	FR107G	Single	1	1000	30	1.30	5	500	DO-41
Glass-passivated	1N4007G	Single	1	1000	30	1.10	5	-	DO-41
Glass-passivated	SF18G	Single	1	600	30	1.70	5	35	DO-41
Glass-passivated	SF26G	Single	2	400	50	1.30	5	35	DO-15
Glass-passivated	SF28G	Single	2	600	50	1.70	5	35	DO-15
Glass-passivated	1N5401G	Single	3	100	200	1.20	5	-	DO-201AD
Glass-passivated	SF36G	Single	3	400	100	1.25	5	35	DO-201AD
Glass-passivated	1N5406G	Single	3	600	200	1.20	5	-	DO-201AD
Glass-passivated	1N5408G	Single	3	1000	200	1.20	5	-	DO-201AD
Glass-passivated	MUR460	Single	4	600	125	1.28	10	50	DO-201AD
Glass-passivated	HER504G	Single	5	300	200	1.00	10	50	DO-201AD
Glass-passivated	SF56G	Single	5	400	150	1.25	5	35	DO-201AD

DIODE

Schottky Diode

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM}	I _{R(IRM)}	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (µA)	
B5817W	Single	1	20	9	0.45	1000	SOD-123
1N5819	Single	1	40	25	0.6	1000	SOD-123
B5819WS	Single	1	40	10	0.6	1000	SOD-323
1N5822*	Single	3	40	80	0.525	2000	DO-201AD
SS14W	Single	1	40	30	0.5	500	SMA
SR22	Single	2	20	50	0.5	2000	SMA SMB
SR23	Single	2	30	50	0.5	2000	SMA SMB
SR24	Single	2	40	50	0.5	2000	SMA SMB
SR25	Single	2	50	50	0.65	2000	SMA SMB
SR26	Single	2	60	50	0.65	2000	SMA SMB
SK24	Single	2	40	50	0.5	500	SMA SMB
SK34	Single	3	40	100	0.5	500	SMA SMB SMC
SK36	Single	3	60	100	0.75	500	SMA SMC
SK54	Single	5	40	100	0.55	1000	SMB
SK56	Single	5	60	100	0.75	1000	SMC
SK86	Single	8	60	200	0.65	1000	SMC
MBR0530	Single	0.5	30	5.5	0.43	130	SOD-323 SOD-123
MBR0540	Single	0.5	40	5.5	0.51	20	SOD-523 SOD-323 SOD-123
MBR0560	Single	0.5	60	5.5	0.7	200	SOD-123 SOD-123S
MBR140	Single	1	40	30	0.7	50	DO-41
MBR145	Single	1	45	30	0.7	500	SOD-323 SOD-123 DO-41
MBR160	Single	1	60	30	0.74	50	SMA DO-41 SOD-123S
MBR1100	Single	1	100	50	0.79	20	DO-41
MBR245	Single	2	45	50	0.7	500	SMA DO-15 DO-41
MBR2100	Single	2	100	40	0.79	100	SOD-123
MBR2200	Single	2	200	50	0.9	50	SMB SMC DO-201AD
MBR340	Single	3	40	80	0.6	100	SMA DO-201AD
MBR360	Single	3	60	80	0.74	600	DO-201AD
MBR3100	Single	3	100	80	0.85	500	SMA
MBR3150	Single	3	150	80	0.9	50	DO-201AD
MBR3200	Single	3	200	80	0.9	50	SMC DO-201AD
MBR545	Single	5	45	150	0.7	50	SMB
MBR5100	Single	5	100	150	0.8	50	DO-41
MBR5150	Single	5	150	150	0.9	50	DO-201AD TO-220-2
MBR760	Single	7.5	60	150	0.72	1000	TO-220-2
MBR840	Single	8	40	150	0.7	100	SMB
MBR1045	Single	10	45	150	0.84	100	TO-220 TO-220F1
MBR1060	Single	10	60	150	0.8	100	TO-220 TO-220F
MBR10120	Single	10	120	110	0.85	500	TO-277 TO-220 TO-220F
MBR10150	Single	10	150	170	0.93	500	TO-277 TO-220 TO-220F
SB120	Single	1	20	25	0.45	1000	SMA DO-41
SB130	Single	1	30	25	0.55	1000	SMA DO-41
SB140	Single	1	40	40	0.5	500	SOD-123 SMA DO-41
SB160	Single	1	60	40	0.7	500	SOD-123S SMA DO-41
RB160M-60	Single	1	60	30	0.58	50	SOD-123

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM}	I _{R(IRM)}	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (µA)	
SB240	Single	2	40	80	0.5	500	SMA SMB SMC SOD-123S DO-41
SB260	Single	2	60	50	0.7	500	SMA DO-41
SB3U40	Single	3	40	75	0.47	400	SOD-123S
SB340	Single	3	40	80	0.5	500	DO-201AD SMA SMBSMC SOD-123S
SB345	Single	3	45	100	0.5	500	DO-41
SB360	Single	3	60	80	0.74	500	SMC DO-201AD
SB3100	Single	3	100	80	0.85	600	DO-201AD
SB460	Single	4	60	150	0.67	500	SMA SMB SMC
SB540	Single	5	40	150	0.55	500	SMA SMB SMC DO-201AD
B540C	Single	5	40	175	0.55	500	SMC
SB560	Single	5	60	150	0.67	500	DO-201AD
B560C	Single	5	60	175	0.7	500	SMC
SB5100	Single	5	100	150	0.8	500	SMA SMB SMC DO-201AD
SB5200	Single	5	200	100	0.9	200	SMC DO-201AD
SB8U60	Single	8	60	280	0.53	600	TO-277
SB1060	Single	10	60	150	0.75	200	TO-220 TO-220F1
SB10100	Single	10	100	150	0.85	500	TO-220 TO-220F1
SBL1040	Single	10	40	250	0.6	1000	TO-220
SBL1060	Single	10	60	250	0.75	1000	TO-220
SBL1540	Single	15	40	150	0.55	450	TO-220 TO-220F TO-220F1
MBR20100	Single	20	100	150	0.84	100	DO-201AD
MBR1040C	Dual	10	40	125	0.6	100	TO-220
MBR1045C	Dual	10	45	100	0.65	100	TO-220 TO-220F
MBR1060C	Dual	10	60	125	0.8	100	TO-220 TO-220F TO-220F1 TO-263
MBR1080C	Dual	10	80	120	0.85	100	TO-220 TO-220F
MBR10100C	Dual	10	100	120	0.85	100	TO-251 TO-252 TO-252D TO-220 TO-220F TO-220F1 TO-220F2
MBR10150C	Dual	10	150	100	0.92	100	TO-220 TO-220F TO-220F1 TO-220F2 TO-263
MBR10200C	Dual	10	200	150	0.95	500	TO-252 TO-220F TO-220F1 TO-220F2 TO-263
MBR1645C	Dual	16	45	125	0.7	100	TO-220
MBR16200C	Dual	16	200	150	0.9	50	TO-220 TO-220F
MBR2040C	Dual	20	40	150	0.7	100	TO-220
MBR2045C	Dual	20	45	150	0.7	100	TO-220 TO-220F TO-220F1
MBR2060C	Dual	20	60	150	0.8	100	TO-220 TO-220F1 TO-220F2 TO-263
MBR20100C	Dual	20	100	150	0.85	150	TO-220 TO-220F TO-220F1 TO-220F2 TO-263
MBR20120C	Dual	20	120	150	0.88	100	TO-220 TO-220F
MBR20125C	Dual	20	125	150	0.85	100	TO-220 TO-220F
MBR20130C	Dual	20	130	150	0.85	100	TO-220 TO-220F
MBR20150C	Dual	20	150	150	0.92	200	TO-220 TO-220F TO-220F1 TO-263
MBR20200C	Dual	20	200	150	0.99	100	TO-252 TO-220 TO-220F TO-220F1 TO-263 TO-3P
MBR3045C	Dual	30	45	150	0.62	200	TO-220 TO-220F
MBR3060C	Dual	30	60	275	0.75	100	TO-220
MBR30100C	Dual	30	100	275	0.85	100	TO-220 TO-220F TO-220F1 TO-263 TO-3P TO-247
MBR30150C	Dual	30	150	200	0.9	500	TO-220 TO-220F1 TO-3P
MBR30200C	Dual	30	200	180	0.9	50	TO-220 TO-220F1

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM}	I _{R(IRM)}	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (µA)	
MBR4045C	Dual	40	45	170	0.7	1000	TO-220
MBR4060C	Dual	40	60	170	0.8	1000	TO-220
MBR40100C	Dual	40	100	170	0.9	1000	TO-220
SBL1040C	Dual	10	40	110	0.56	200	TO-220
MBR40150C	Dual	40	150	250	0.95	50	TO-220 TO-220F
SBL1040C	Dual	10	40	110	0.56	200	TO-220
SBL2060C	Dual	20	60	250	0.75	1000	TO-220 TO-220F
SBL3040C	Dual	30	40	250	0.55	1000	TO-220
SBL3045C	Dual	30	45	180	0.62	1000	TO-220 TO-220F1 TO-263
SBL3050C	Dual	30	50	250	0.7	1000	TO-220
SBL3060C	Dual	30	60	165	0.73	100	TO-220
SBL3065C	Dual	30	65	165	0.75	100	TO-263

DIODE

MOS Gated Barrier Rectifier (MGBR Series)

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM} Rating	I _{R(IRM)} Rating	
		(A)	(V)	(A)	MAX (V)	MAX (μA)	
MGBR2U40	Single	2	40	50	0.43	500	SMB
MGBR2V45	Single	2	45	50	0.50	100	SMA
MGBR5V30	Single	5	30	100	0.48	500	SMB
MGBR5S40	Single	5	40	150	0.52	500	DO-201AD SMB
MGBR5U40	Single	5	40	120	0.43	500	SMB DFN-8(5×6)
MGBR5V45	Single	5	45	90	0.61	500	SMB DO-201
MGBR5S45	Single	5	45	120	0.48	500	SMC DO-201 TO-277 TO-252
MGBR5U45	Single	5	45	200	0.43	500	SMC DO-201 DO-201AD
MGBR5L100	Single	5	100	100	0.80	250	DFN-8(5X6) SMA TO-252
MGBR5L150	Single	5	150	150	0.86	100	DO-201AD
MGBR10L30	Single	10	30	200	0.55	500	TO-277
MGBR10S30	Single	10	30	175	0.43	500	TO-277
MGBR10L40	Single	10	40	150	0.57	300	TO-277
MGBR10S40	Single	10	40	175	0.47	500	TO-277
MGBR10L45	Single	10	45	90	0.58	300	TO-277 TO-252 TO-220-2
MGBR10V45	Single	10	45	150	0.53	500	TO-277 TO-252 TO-220-2 TO-220 TO-220F
MGBR10S45	Single	10	45	150	0.48	500	TO-277 TO-252 TO-252D TO-220-2
MGBR10L50	Single	10	50	150	0.60	300	TO-277 TO-220-2
MGBR10V50	Single	10	50	150	0.55	500	TO-277 TO-252 TO-220-2 TO-220 TO-220F
MGBR10U50	Single	10	50	180	0.45	500	TO-277 TO-252 TO-220-2 TO-220 TO-220F
MGBR10L60	Single	10	60	150	0.64	300	TO-277
MGBR10S60	Single	10	60	175	0.54	500	TO-277 TO-252 TO-220-2 TO-220 TO-220F
MGBR10L100	Single	10	100	150	0.80	300	TO-277
MGBR10L120	Single	10	120	160	0.82	400	TO-277
MGBR10L150	Single	10	150	150	0.90	200	TO-277
MGBR10L200	Single	10	200	180	0.86	100	TO-220 TO-220F
MGBR10S300	Single	10	300	200	0.90	100	TO-252
MGBR12L30	Single	12	30	200	0.54	500	TO-277
MGBR12L40	Single	12	40	180	0.57	300	TO-277
MGBR12L45	Single	12	45	180	0.60	300	TO-277
MGBR12L60	Single	12	60	180	0.65	300	TO-277
MGBR15L30	Single	15	30	180	0.54	500	TO-277
MGBR15V30	Single	15	30	200	0.49	500	TO-277
MGBR15L40	Single	15	40	180	0.58	300	TO-277
MGBR15V40	Single	15	40	200	0.53	500	TO-277
MGBR15L45	Single	15	45	180	0.60	300	TO-277
MGBR15V45	Single	15	45	180	0.55	500	TO-252
MGBR15L50	Single	15	50	180	0.61	300	TO-277
MGBR15S50	Single	15	50	200	0.50	500	TO-277
MGBR15U50	Single	15	50	200	0.45	500	DFN-8(5X6)
MGBR15L60	Single	15	60	180	0.64	300	TO-277
MGBR15V60	Single	15	60	200	0.60	500	TO-277
MGBR20L40	Single	20	40	250	0.59	300	TO-277

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM} Rating	I _{R(IRM)} Rating	
		(A)	(V)	(A)	MAX (V)	MAX (μA)	
MGBR20L50	Single	20	50	250	0.63	300	DFN-8(5X6) TO-277 TO-220-2
MGBR20V50	Single	20	50	250	0.58	500	DFN-8(5X6) TO-220-2
MGBR20S50	Single	20	50	300	0.53	500	DFN-8(5X6) TO-220-2
MGBR20U50	Single	20	50	300	0.48	500	DFN-8(5X6) TO-220-2
MGBR20L60	Single	20	60	250	0.65	300	TO-277
MGBR20V60	Single	20	60	250	0.60	500	TO-277
MGBR20V80	Single	20	80	180	0.80	500	TO-220
MGBR20L100	Single	20	100	250	0.90	300	TO-220 TO-220F
MGBR20V100	Single	20	100	250	0.85	300	TO-220 TO-220F
MGBR20L300	Single	20	300	235	0.92	100	TO-220 TO-220F TO-220F1 TO-263
MGBR30L80	Single	30	80	200	0.95	500	TO-220
MGBR30L100	Single	30	100	200	0.85	100	TO-220 TO-220F
MGBR40L250	Single	40	250	150	0.97	250	TO-263 TO-220 TO-220F
MGBR6L45C	Dual	6	45	80	0.67	100	TO-252 TO-220 TO-220F
MGBR6V45C	Dual	6	45	80	0.62	100	TO-252 TO-220 TO-220F
MGBR6S45C	Dual	6	45	80	0.57	100	TO-252 TO-220 TO-220F
MGBR6L50C	Dual	6	50	80	0.67	100	TO-252
MGBR6V50C	Dual	6	50	80	0.62	100	TO-252
MGBR6S50C	Dual	6	50	100	0.57	300	TO-252
MGBR6L60C	Dual	6	60	80	0.67	100	TO-252
MGBR10L40C	Dual	10	40	120	0.55	500	TO-220 TO-220F TO-263
MGBR10L45C	Dual	10	45	90	0.56	300	TO-220
MGBR10V45C	Dual	10	45	90	0.50	500	TO-252 TO-220
MGBR10S45C	Dual	10	45	100	0.45	500	TO-252 TO-220
MGBR10U45C	Dual	10	45	100	0.40	500	TO-252 TO-220
MGBR10L50C	Dual	10	50	90	0.56	300	TO-220 TO-220F
MGBR10V50C	Dual	10	50	120	0.51	500	TO-220 TO-220F
MGBR10S50C	Dual	10	50	150	0.46	500	TO-220 TO-220F
MGBR10U50C	Dual	10	50	180	0.41	500	TO-220 TO-220F
MGBR10L60C	Dual	10	60	120	0.63	300	TO-252 TO-220 TO-220F TO-263
MGBR10V60C	Dual	10	60	120	0.58	500	TO-252 TO-220
MGBR10S60C	Dual	10	60	150	0.53	500	TO-252 TO-220
MGBR10U60C	Dual	10	60	180	0.48	500	TO-252 TO-220
MGBR10L80C	Dual	10	80	80	0.72	400	TO-220 TO-220F
MGBR10L100C	Dual	10	100	80	0.80	100	TO-220 TO-220F
MGBR10V100C	Dual	10	100	80	0.75	200	TO-220 TO-220F
MGBR10S100C	Dual	10	100	180	0.67	200	TO-220
MGBR10U100C	Dual	10	100	200	0.62	200	TO-220
MGBR10L150C	Dual	10	150	100	0.90	100	TO-220 TO-220F TO-220F3
MGBR10L200C	Dual	10	200	110	0.90	100	TO-220
MGBR15L45C	Dual	15	45	120	0.60	300	TO-252 TO-220
MGBR15L50C	Dual	15	50	180	0.61	300	TO-252 TO-220 TO-220F
MGBR15L100C	Dual	15	100	100	0.80	80	TO-220 TO-220F
MGBR20L30C	Dual	20	30	170	0.55	200	TO-220
MGBR20L40C	Dual	20	40	120	0.55	500	TO-220

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM} Rating	I _{R(IR)} Rating	
		(A)	(V)	(A)	MAX (V)	MAX (μA)	
MGBR20L45C	Dual	20	45	120	0.64	300	TO-252 TO-263 TO-220 TO-220F
MGBR20V45C	Dual	20	45	150	0.59	500	TO-252 TO-220 TO-220F
MGBR20L50C	Dual	20	50	150	0.60	300	TO-220
MGBR20V50C	Dual	20	50	150	0.55	500	TO-220 TO-220F
MGBR20S50C	Dual	20	50	180	0.50	500	TO-220
MGBR20U50C	Dual	20	50	250	0.45	500	TO-220
MGBR20L60C	Dual	20	60	150	0.64	300	TO-252 TO-220 TO-220F
MGBR20V60C	Dual	20	60	180	0.59	500	TO-252D TO-220 TO-220F
MGBR20S60C	Dual	20	60	220	0.54	500	TO-220 TO-220F
MGBR20U60C	Dual	20	60	250	0.49	500	TO-252D
MGBR20L80C	Dual	20	80	100	0.81	600	TO-220 TO-220F
MGBR20V80C	Dual	20	80	150	0.78	250	TO-220
MGBR20L100C	Dual	20	100	150	0.82	100	TO-220 TO-220F
MGBR20V100C	Dual	20	100	180	0.75	100	TO-252 TO-220 TO-220F
MGBR20S100C	Dual	20	100	200	0.70	200	TO-220 TO-220F
MGBR20U100C	Dual	20	100	250	0.65	200	TO-220 TO-220F
MGBR20L120C	Dual	20	120	120	0.90	200	TO-220 TO-220F
MGBR20U120C	Dual	20	120	180	0.79	100	TO-220 TO-220F
MGBR20L150C	Dual	20	150	150	0.90	50	TO-220 TO-220F
MGBR20V150C	Dual	20	150	180	0.85	100	TO-220 TO-220F
MGBR20S150C	Dual	20	150	180	0.80	100	TO-220 TO-220F
MGBR20U150C	Dual	20	150	250	0.75	100	TO-220 TO-220F
MGBR20L200C	Dual	20	200	180	0.86	100	TO-220 TO-220F TO-220F1
MGBR20V200C	Dual	20	200	170	0.81	100	TO-220 TO-220F
MGBR20L300C	Dual	20	300	180	0.92	100	TO-220 TO-220F TO-263
MGBR30L45C	Dual	30	45	200	0.60	300	TO-252 TO-220 TO-220F
MGBR30V45C	Dual	30	45	200	0.55	500	TO-220 TO-220F
MGBR30S45C	Dual	30	45	200	0.50	500	TO-252 TO-220
MGBR30U45C	Dual	30	45	280	0.45	500	TO-252 TO-220 TO-220F
MGBR30L50C	Dual	30	50	200	0.60	300	TO-220
MGBR30V50C	Dual	30	50	250	0.55	500	TO-220
MGBR30S50C	Dual	30	50	250	0.50	500	TO-220
MGBR30U50C	Dual	30	50	280	0.46	500	TO-220 TO-220F TO-3P
MGBR30L60C	Dual	30	60	200	0.65	300	TO-220 TO-220F TO-3P
MGBR30V60C	Dual	30	60	250	0.60	500	TO-220 TO-220F TO-247
MGBR30S60C	Dual	30	60	280	0.55	500	TO-252 TO-220 TO-220F
MGBR30U60C	Dual	30	60	300	0.50	500	TO-220 TO-220F
MGBR30L100C	Dual	30	100	200	0.85	200	TO-220 TO-220F
MGBR30V100C	Dual	30	100	160	0.80	200	TO-220 TO-220F
MGBR30L120C	Dual	30	120	150	0.83	100	TO-220 TO-220F
MGBR30S120C	Dual	30	120	250	0.90	300	TO-220 TO-220F
MGBR30L150C	Dual	30	150	200	0.90	100	TO-220 TO-220F1
MGBR30V150C	Dual	30	150	200	0.85	100	TO-220 TO-220F
MGBR30V300C	Dual	30	300	200	0.90	100	TO-220
MGBR40L45C	Dual	40	45	250	0.60	300	TO-220

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM(VR)}	I _{FSM}	V _{FM}	I _{R(IRM)}	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (μA)	
MGBR40V45C	Dual	40	45	280	0.55	500	TO-220 TO-220F
MGBR40S45C	Dual	40	45	350	0.50	500	TO-220
MGBR40U45C	Dual	40	45	350	0.45	500	TO-220 TO-220F
MGBR40V50C	Dual	40	50	200	0.58	500	TO-220 TO-220F
MGBR40L60C	Dual	40	60	280	0.65	300	TO-220
MGBR40V60C	Dual	40	60	280	0.60	500	TO-220
MGBR40S60C	Dual	40	60	360	0.55	500	TO-220
MGBR40U60C	Dual	40	60	400	0.50	500	TO-220
MGBR40L100C	Dual	40	100	280	0.80	100	TO-220 TO-220F
MGBR40V100C	Dual	40	100	300	0.75	200	TO-220
MGBR40S100C	Dual	40	100	350	0.70	200	TO-220 TO-220F
MGBR40U100C	Dual	40	100	360	0.65	200	TO-220 TO-220F
MGBR40L150C	Dual	40	150	250	0.90	100	TO-220F
MGBR40V150C	Dual	40	150	250	0.85	100	TO-220 TO-220F
MGBR40V200C	Dual	40	200	240	0.89	200	TO-220 TO-220F
MGBR60L100C	Dual	60	100	280	0.79	200	TO-220
MGBR60L200C	Dual	60	200	300	0.95	210	TO-220 TO-220F TO-3P
MGBR60V200C	Dual	60	200	250	0.94	100	TO-220 TO-220F TO-3P

DIODE

Trench MOS Schottky (TGBR Series)

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)		Package
		I _F	V _{RM} (V _R)	I _{FSM}	V _{FM}	I _R (I _{RM})	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (μA)	
TGBR5L45	Single	5	45	90	0.58	300	TO-252
TGBR5V45	Single	5	45	150	0.55	500	TO-252
TGBR5U45	Single	5	45	120	0.48	500	TO-252
TGBR5V50	Single	5	50	100	0.56	300	TO-252
TGBR5L50	Single	5	50	90	0.55	300	TO-252
TGBR5S50	Single	5	50	100	0.5	500	TO-252
TGBR5L60	Single	5	60	100	0.63	300	TO-252
TGBR5V60	Single	5	60	100	0.58	300	TO-252
TGBR5S60	Single	5	60	100	0.5	500	TO-252
TGBR5U60	Single	5	60	120	0.48	500	TO-252
TGBR10S60	Single	10	60	200	0.56	500	TO-252 TO-220 TO-220F
TGBR10V100	Single	10	100	150	0.75	100	TO-220 TO-220F
TGBR10U100	Single	10	100	200	0.62	200	DFN-8(5X6) TO-220 TO-220F
TGBR10V150	Single	10	150	150	0.85	200	TO-220 TO-220F
TGBR10V200	Single	10	200	180	0.9	100	TO-220 TO-220F
TGBR20L45	Single	20	45	250	0.59	300	TO-220 TO-220F TO-220F3
TGBR30L45	Single	30	45	200	0.63	300	TO-220 TO-220F TO-220F3
TGBR30V45	Single	30	45	200	0.7	500	TO-263 TO-220 TO-220F
TGBR30L100	Single	30	100	250	0.9	300	TO-220 TO-220F
TGBR10L45C	Dual	10	45	90	0.61	300	TO-220 TO-220F TO-220F3
TGBR10V45C	Dual	10	45	100	0.56	300	TO-220 TO-220F TO-220F3
TGBR10S45C	Dual	10	45	150	0.51	500	TO-220 TO-220F TO-220F3
TGBR10L60C	Dual	10	60	90	0.63	300	TO-220 TO-220F
TGBR10V60C	Dual	10	60	120	0.58	500	TO-220 TO-220F
TGBR10S60C	Dual	10	60	120	0.53	500	TO-220 TO-220F
TGBR10U60C	Dual	10	60	180	0.48	500	TO-220 TO-220F
TGBR10V100C	Dual	10	100	110	0.72	300	TO-252 TO-220 TO-220F
TGBR10S100C	Dual	10	100	150	0.67	200	TO-252 TO-220 TO-220F
TGBR10U100C	Dual	10	100	200	0.62	200	TO-220 TO-220F
TGBR10S150C	Dual	10	150	150	0.84	100	TO-220F1
TGBR10U150C	Dual	10	150	180	0.79	100	TO-220F
TGBR20L45C	Dual	20	45	150	0.64	500	TO-220 TO-220F TO-220F3
TGBR20V45C	Dual	20	45	150	0.57	500	TO-220 TO-220F TO-220F3
TGBR20S45C	Dual	20	45	180	0.52	500	TO-220 TO-220F TO-220F3
TGBR20U45C	Dual	20	45	250	0.47	500	TO-220F
TGBR20V50C	Dual	20	50	150	0.55	500	TO-220 TO-220F
TGBR20L60C	Dual	20	60	150	0.64	300	TO-220 TO-220F
TGBR20V60C	Dual	20	60	180	0.63	500	TO-220 TO-220F
TGBR20S60C	Dual	20	60	130	0.54	500	TO-220 TO-220F
TGBR20U60C	Dual	20	60	150	0.45	500	TO-220 TO-220F
TGBR20V100C	Dual	20	100	180	0.75	100	TO-220 TO-220F
TGBR20S100C	Dual	20	100	150	0.7	200	TO-220 TO-220F
TGBR20U100C	Dual	20	100	150	0.65	200	TO-220 TO-220F
TGBR20V150C	Dual	20	150	150	0.85	200	TO-220 TO-220F

DIODE

Part Number	Configuration	Maximum Ratings			Electrical Characteristics ($T_A=25^\circ\text{C}$)		Package
		I_F	$V_{RM}(V_R)$	I_{FSM}	V_{FM}	$I_R(I_{RM})$	
		(A)	(V)	(A)	Rating MAX (V)	Rating MAX (μA)	
TGBR30L45C	Dual	30	45	200	0.6	300	TO-220 TO-220F TO-220F3
TGBR30L60C	Dual	30	60	200	0.6	500	TO-220 TO-220F
TGBR30L100C	Dual	30	100	250	0.9	300	TO-220 TO-220F
TGBR30V100C	Dual	30	100	160	0.8	300	TO-220 TO-220F
TGBR30S100C	Dual	30	100	160	0.75	200	TO-220 TO-220F
TGBR30U100C	Dual	30	100	300	0.7	200	TO-220 TO-220F
TGBR30S150C	Dual	30	150	180	0.89	100	TO-220 TO-220F
TGBR40V45C	Dual	40	45	280	0.55	500	TO-220 TO-220F
TGBR40L60C	Dual	40	60	200	0.7	500	TO-220 TO-220F
TGBR40V60C	Dual	40	60	250	0.65	500	TO-220 TO-220F
TGBR40S60C	Dual	40	60	260	0.6	500	TO-220 TO-220F
TGBR40L100C	Dual	40	100	280	0.8	100	TO-220 TO-220F
TGBR40V100C	Dual	40	100	300	0.75	200	TO-252 TO-220 TO-220F
TGBR40U100C	Dual	40	100	300	0.75	200	TO-252 TO-220 TO-220F

DIODE

Switching Diode

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (T _A =25°C)			Package
		I _F	V _{RM} (V _R)	I _{FSM}	V _{FM}	I _R (I _{RM})	trr(ns)	
		(A)	(V)	(A)	Rating	Rating	Rating	
		(A)	(V)	(A)	MAX (V)	MAX (μA)	MAX (nS)	
1SS355	Single	100	90	225	1.20	0.1	4	SOD-323
1SS400	Single	100	90	-	1.20	0.1	4	SOD-523
1N4148	Single	200	100	1000	1.00	5.0	4	SOD-523 SOD-323 SOD-123 SOT-323 SOT-23
BAS21	Single	200	250	1700	1.25	0.1	50	SOD-323 SOT-23
BAS316	Single	250	75	1000	1.25	1.0	4	SOD-323
MMBD4148	Single	250	100	1000	0.855	5.0	4	SOT-23
BAV20W	Single	250	200	1000	1.25	0.1	50	SOD-323 SOD-123
BAW56	Dual	150	75	2000	1.25	2.5	4	SOT-23
BAW56W	Dual	150	75	2000	1.25	2.5	4	SOT-323
BAV70	Dual	150	75	2000	1.25	2.5	4	SOT-23
BAV70W	Dual	150	75	2000	1.25	2.5	4	SOT-323
BAV199	Dual	160	85	1000	1.25	0.005	3000	SOT-23
BAV199W	Dual	160	85	1000	1.25	0.005	3000	SOT-323
BAV99	Dual	200	70	1000	1.25	2.5	6	SOT-523 SOT-323 SOT-23
UMR11N	Dual-Dual	100	80	300	1.20	0.1	4	SOT-363
BAV99	Dual-Dual	200	70	1000	1.25	2.5	6	SOT-363

DIODE

Small Signal Schottky Diode

Part Number	Configuration	Maximum Ratings			Electrical Characteristics (TA=25°C)		Package
		IF	VRM(VR)	IFSM	VFM Rating	IR(IRM) Rating	
		(A)	(V)	(A)	MAX (V)	MAX (µA)	
BAT42VS	Single	200	30	400.0	1.00	0.5	SOD-123
BAS85	Single	200	30	5.0	0.80	2	LL-34
SD103AW	Single	350	40	1.5	0.60	5	SOD-523 SOD-123
SD103AWS	Single	350	40	1.5	0.60	5	SOD-323
SD106WS	Single	200	30	1.0	0.55	5	SOD-323 SOD-123
RB520S30	Single	200	30	1.0	0.60	1	SOD-523
RB521S30	Single	200	30	1.0	0.50	30	SOD-523
BAT54	Single	200	30	0.6	0.80	2	SOT-23
BAT54A	Dual	200	30	0.6	0.80	2	SOT-23
BAT54ADW	Dual-Dual	200	30	0.6	1.00	2	SOT-363
BAT54ATB	Dual	200	30	0.6	0.80	2	SOT-23
BAT54AW	Dual	200	30	0.6	0.80	2	SOT-23
BAT54C	Dual	200	30	0.6	0.80	2	SOT-23
BAT54CDW	Dual-Dual	200	30	0.6	1.00	2	SOT-363
BAT54CTB	Dual	200	30	0.6	0.80	2	SOT-523
BAT54CW	Dual	200	30	0.6	0.80	2	SOT-323
BAT54DW	Dual	200	30	0.6	1.00	2	SOT-363
BAT54S	Dual	200	30	0.6	0.80	2	SOT-23
BAT54SDW	Dual-Dual	200	30	0.6	1.00	2	SOT-363
BAT54STB	Dual	200	30	0.6	0.80	2	SOT-523
BAT54SW	Dual	200	30	0.6	0.80	2	SOT-323
BAT54TB	Single	200	30	0.6	0.80	2	SOT-523
BAT54TDW	Triple	200	30	0.6	1.00	2	SOT-363
BAT54TS	Single	200	30	0.6	0.80	2	SOD-523
BAT54W	Single	200	30	0.6	0.80	2	SOT-323
BAT54WS	Single	200	30	0.6	0.80	2	SOD-323
RB751V40	Single	30	40	0.2	0.37	0.5	SOD-323
RB751V40	Single	30	40	0.2	0.37	0.5	SOD-523
BAT721A	Dual	200	40	1.0	0.55	15	SOT-23
BAT721C	Dual	200	40	1.0	0.55	15	SOT-23
RB751V40	Single	30	40	0.2	0.37	0.5	SOD-323
RB751V40	Single	30	40	0.2	0.37	0.5	SOD-523
RB501V-40	Single	100	40	1.0	0.55	10	SOD-323
BAS70	Single	70	70	-	1.00	0.1	SOT-23
BAS70A	Dual	70	70	-	1.00	0.1	SOT-23
BAS70C	Dual	70	70	-	1.00	0.1	SOT-23
BAS70S	Dual	70	70	-	1.00	0.1	SOT-23
BAS70	Single	70	70	-	1.00	0.1	SOT-23-3
BAS70A	Dual	70	70	-	1.00	0.1	SOT-23-3
BAS70C	Dual	70	70	-	1.00	0.1	SOT-23-3
BAS70S	Dual	70	70	-	1.00	0.1	SOT-23-3
BAS70W	Single	70	70	-	1.00	0.2	SOT-323
BAS70AW	Dual	70	70	-	1.00	0.2	SOT-323
BAS70CW	Dual	70	70	-	1.00	0.2	SOT-323
BAS70SW	Dual	70	70	-	1.00	0.2	SOT-323

DIODE

Photocoupler

Part No.	INPUT			OUTPUT			CTR		VCE(SAT)	Package
	V _F (V) (MAX)	I _R (μ A) (MAX)	C _{IN} (pF) (MAX)	I _{CEO} (nA) (MAX)	BV _{CEO} (V) (MIN)	BV _{ECO} (V) (MIN)	%(MIN)	%(MAX)	V (MAX)	
UPC817	1.4	10	250	100	35	6	50	300	0.2	DIP-4

Varactor Diode

Part No.	Maximum Ratings		Electrical Characteristics (T _A =25°C)							Package
	VRM	I _F	I _R	r _s (Ω)	Cd(Pf)	Cd(Pf)	Ratio	Ratio	Ratio	
	(V)	(mA)	(nA)	(TYP.)	(1V/1MHz)	(28V/1MHz)	Cd(1V)/ Cd(2V)	Cd(1V)/ Cd(28V)	Cd(25V)/ Cd(28V)	
BB178	35	20.0	10.0	0.65	34.65~42.35	2.361~2.754	TYP.=1.30	MIN.=13.5	TYP.=1.08	SOD-523
BB179	35	20.0	10.0	0.60	18.22~21.26	1.951~2.225	TYP.=1.27	8.45~10.9	TYP.=1.05	SOD-523

DIODE

CRD(Current Regulator Diode)*

Part Number	Peak Operating Voltage	Regulator Current				Limiting Current		Package
		Test Voltage (V)	IH(mA)			V _K (V)	@IK	
	Min		Nom	Max				
UCR024	30 40	10	0.192	0.24	0.288	≤1.5	0.8 IH	SOD-123 TO-92-2
UCR033	30 40	10	0.264	0.33	0.396	≤1.5	0.8 IH	SOD-123 TO-92-2
UCR043	30 40	10	0.344	0.43	0.516	≤1.5	0.8 IH	SOD-123 TO-92-2
UCR056	30 40	10	0.448	0.56	0.672	≤2	0.8 IH	SOD-123 TO-92-2
UCR075	30 40	10	0.600	0.75	0.900	≤2	0.8 IH	SOD-123 TO-92-2
UCR100	30 40	10	0.800	1.00	1.200	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR140	30 40	10	1.120	1.40	1.680	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR180	30 40	10	1.620	1.80	1.980	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR220	30 40	10	1.980	2.20	2.420	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR225	30 40	10	1.500	2.25	3.000	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR240	30 40	10	2.160	2.40	2.640	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR270	30 40	10	2.430	2.70	2.970	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR300	30 40	10	2.700	3.00	3.300	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR330	30 40	10	2.970	3.30	3.630	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR360	30 40	10	3.240	3.60	3.960	≤2.5	0.8 IH	SOD-123 TO-92-2
UCR390	30 40	10	3.510	3.90	4.290	≤3	0.8 IH	SOD-123 TO-92-2
UCR400	30 40	10	3.000	4.00	5.00	≤3	0.8 IH	SOD-123 TO-92-2
UCR430	30 40	10	3.870	4.30	4.730	≤3	0.8 IH	SOD-123 TO-92-2
UCR470	30 40	10	4.230	4.70	5.170	≤3	0.8 IH	SOD-123 TO-92-2
UCR650	30 40	10	5.000	6.50	8.000	≤3.5	0.8 IH	SOD-123 TO-92-2
UCR1050	30 40	10	8.000	10.50	13.000	≤3.5	0.8 IH	SOD-123 TO-92-2
UCR1550	30 40	10	13.000	15.50	18.000	≤4	0.8 IH	SOD-123 TO-92-2
UCR2050	30 40	10	18.000	20.50	23.000	≤4	0.8 IH	SOD-123 TO-92-2
UCR2550	30 40	10	23.000	25.50	28.000	≤4	0.8 IH	SOD-123 TO-92-2
UCR3150	30 40	10	28.000	31.50	35.000	≤4.5	0.8 IH	SOD-123 TO-92-2
UCR4000	30 40	10	35.000	40.00	45.000	≤4.5	0.8 IH	SOD-123 TO-92-2

ZCB snubber

Part No.	Maximum Ratings			Electrical Characteristics (T _A =25°C)				Package
	V _{CB}	I _C	I _{FSM}	Forward Voltage Drop		Reverse Current		
	(V)	(A)	(mA)	V _F	@I _C	I _{CB}	@C _B	
	(V)	(A)	(mA)	(V)	(A)	(uA)	(V)	
SSB302	700	1.5	3	2.0	1.5	1	700	TO-92B
SSB303	800	2.0	4	2.0	2.0	1	800	TO-92B

TVS

Part No.		P _{PP} (W) (Max)	BREAKDOWN VOLTAGE V _{BR@I_T}			I _{R@V_{RWM}} (μ A) (MAX)	V _{RWM} (V) (V)	I _{RSM} (A) (Max)	V _{C@I_{RSM}} (V)	Package
UNI	BI		MIN (V)	TYP (V)	IT (mA)					
P6KE6.8	P6KE6.8C	5.5	6.12	7.48	10	1000	5.5	10.8	55.56	DO-15
P6KE6.8A	P6KE6.8CA	5.8	6.46	7.14	10	1000	5.8	10.5	57.14	DO-15
P6KE7.5	P6KE7.5C	6.1	6.75	8.25	10	500	6.1	11.7	51.28	DO-15
P6KE7.5A	P6KE7.5CA	6.4	7.13	7.88	10	500	6.4	11.3	53.10	DO-15
P6KE8.2	P6KE8.2C	6.6	7.38	9.02	10	200	6.6	12.5	48.00	DO-15
P6KE8.2A	P6KE8.2CA	7.0	7.79	8.61	10	200	7.0	12.1	49.59	DO-15
P6KE9.1	P6KE9.1C	7.4	8.19	10.01	1	50	7.4	13.8	43.48	DO-15
P6KE9.1A	P6KE9.1CA	7.8	8.65	9.56	1	50	7.8	13.4	44.78	DO-15
P6KE10	P6KE10C	8.1	9.00	11.00	1	10	8.1	15.0	40.00	DO-15
P6KE10A	P6KE10CA	8.6	9.50	10.50	1	10	8.6	14.5	41.38	DO-15
P6KE11	P6KE11C	8.9	9.90	12.10	1	5	8.9	16.2	37.04	DO-15
P6KE11A	P6KE11CA	9.4	10.45	11.55	1	5	9.4	15.6	38.46	DO-15
P6KE12	P6KE12C	9.7	10.80	13.20	1	5	9.7	17.3	34.68	DO-15
P6KE12A	P6KE12CA	10.2	11.40	12.60	1	5	10.2	16.7	35.93	DO-15
P6KE13	P6KE13C	10.5	11.70	14.30	1	1	10.5	19.0	31.58	DO-15
P6KE13A	P6KE13CA	11.1	12.35	13.65	1	1	11.1	18.2	32.97	DO-15
P6KE15	P6KE15C	12.1	13.50	16.50	1	1	12.1	22.0	27.27	DO-15
P6KE15A	P6KE15CA	12.8	14.25	15.75	1	1	12.8	21.2	28.30	DO-15
P6KE16	P6KE16C	12.9	14.40	17.60	1	1	12.9	23.5	25.53	DO-15
P6KE16A	P6KE16CA	13.6	15.20	16.80	1	1	13.6	22.5	26.67	DO-15
P6KE18	P6KE18C	14.5	16.20	19.80	1	1	14.5	26.5	22.64	DO-15
P6KE18A	P6KE18CA	15.3	17.10	18.90	1	1	15.3	25.2	23.81	DO-15
P6KE20	P6KE20C	16.2	18.00	22.00	1	1	16.2	29.1	20.62	DO-15
P6KE20A	P6KE20CA	17.1	19.00	21.00	1	1	17.1	27.7	21.66	DO-15
P6KE22	P6KE22C	17.8	19.80	24.20	1	1	17.8	31.9	18.81	DO-15
P6KE22A	P6KE22CA	18.8	20.90	23.10	1	1	18.8	30.6	19.61	DO-15
P6KE24	P6KE24C	19.4	21.60	26.40	1	1	19.4	34.7	17.29	DO-15
P6KE24A	P6KE24CA	20.5	22.80	25.20	1	1	20.5	33.2	18.07	DO-15
P6KE27	P6KE27C	21.8	24.30	29.70	1	1	21.8	39.1	15.35	DO-15
P6KE27A	P6KE27CA	23.1	25.65	28.35	1	1	23.1	37.5	16.00	DO-15
P6KE30	P6KE30C	24.3	27.00	33.00	1	1	24.3	43.5	13.79	DO-15
P6KE30A	P6KE30CA	25.6	28.50	31.50	1	1	25.6	41.4	14.49	DO-15
P6KE33	P6KE33C	26.8	29.70	36.30	1	1	26.8	47.7	12.58	DO-15
P6KE33A	P6KE33CA	28.2	31.35	34.65	1	1	28.2	45.7	13.13	DO-15
P6KE36	P6KE36C	29.1	32.40	39.60	1	1	29.1	52.0	11.54	DO-15
P6KE36A	P6KE36CA	30.8	34.20	37.80	1	1	30.8	49.9	12.02	DO-15
P6KE39	P6KE39C	31.6	35.10	42.90	1	1	31.6	56.4	10.64	DO-15
P6KE39A	P6KE39CA	33.3	37.05	40.95	1	1	33.3	53.9	11.13	DO-15
P6KE43	P6KE43C	34.8	38.70	47.30	1	1	34.8	61.9	9.69	DO-15
P6KE43A	P6KE43CA	36.8	40.85	45.15	1	1	36.8	59.3	10.12	DO-15
P6KE47	P6KE47C	38.1	42.30	51.70	1	1	38.1	67.8	8.85	DO-15
P6KE47A	P6KE47CA	40.2	44.65	49.35	1	1	40.2	64.8	9.26	DO-15
P6KE51	P6KE51C	41.3	45.90	56.10	1	1	41.3	73.5	8.16	DO-15
P6KE51A	P6KE51CA	43.6	48.45	53.55	1	1	43.6	70.1	8.56	DO-15
P6KE56	P6KE56C	45.4	50.40	61.60	1	1	45.4	80.5	7.45	DO-15
P6KE56A	P6KE56CA	47.8	53.20	58.80	1	1	47.8	77.0	7.79	DO-15
P6KE62	P6KE62C	50.2	55.80	68.20	1	1	50.2	89.0	6.74	DO-15

Part No.		P _{PP} (W) (Max)	BREAKDOWN VOLTAGE V _{BR@I_T}			I _R @V _{RWM} (uA) (MAX)	V _{RWM} (V) (V)	I _{RSM} (A) (Max)	V _C @I _{RSM} (V)	Package
UNI	BI		MIN (V)	TYP (V)	IT (mA)					
P6KE62A	P6KE62CA	53.0	58.90	65.10	1	1	53.0	85.0	7.06	DO-15
P6KE68	P6KE68C	55.1	61.20	74.80	1	1	55.1	98.0	6.12	DO-15
P6KE68A	P6KE68CA	58.1	64.60	71.40	1	1	58.1	92.0	6.52	DO-15
P6KE75	P6KE75C	60.7	67.50	82.50	1	1	60.7	108.0	5.56	DO-15
P6KE75A	P6KE75CA	64.1	71.25	78.75	1	1	64.1	103.0	5.83	DO-15
P6KE82	P6KE82C	66.4	73.80	90.20	1	1	66.4	118.0	5.08	DO-15
P6KE82A	P6KE82CA	70.1	77.90	86.10	1	1	70.1	113.0	5.31	DO-15
P6KE91	P6KE91C	73.7	81.90	100.10	1	1	73.7	131.0	4.58	DO-15
P6KE91A	P6KE91CA	77.8	86.45	95.55	1	1	77.8	125.0	4.80	DO-15
P6KE100	P6KE100C	81.0	90.00	110.00	1	1	81.0	144.0	4.17	DO-15
P6KE100A	P6KE100CA	85.5	95.00	105.00	1	1	85.5	137.0	4.38	DO-15
P6KE110	P6KE110C	89.2	99.00	121.00	1	1	89.2	158.0	3.80	DO-15
P6KE110A	P6KE110CA	94.0	104.50	115.50	1	1	94.0	152.0	3.95	DO-15
P6KE120	P6KE120C	97.2	108.00	132.00	1	1	97.2	173.0	3.47	DO-15
P6KE120A	P6KE120CA	102.0	114.00	126.00	1	1	102.0	165.0	3.64	DO-15
P6KE130	P6KE130C	105.0	117.00	143.00	1	1	105.0	187.0	3.21	DO-15
P6KE130A	P6KE130CA	111.0	123.50	136.50	1	1	111.0	179.0	3.35	DO-15
P6KE150	P6KE150C	121.0	135.00	165.00	1	1	121.0	215.0	2.79	DO-15
P6KE150A	P6KE150CA	128.0	142.50	157.50	1	1	128.0	207.0	2.90	DO-15
P6KE160	P6KE160C	130.0	144.00	176.00	1	1	130.0	230.0	2.61	DO-15
P6KE160A	P6KE160CA	136.0	152.00	168.00	1	1	136.0	219.0	2.74	DO-15
P6KE170	P6KE170C	138.0	153.00	187.00	1	1	138.0	244.0	2.46	DO-15
P6KE170A	P6KE170CA	145.0	161.50	178.50	1	1	145.0	234.0	2.56	DO-15
P6KE180	P6KE180C	146.0	162.00	198.00	1	1	146.0	258.0	2.33	DO-15
P6KE180A	P6KE180CA	154.0	171.00	189.00	1	1	154.0	246.0	2.44	DO-15
P6KE200	P6KE200C	162.0	180.00	220.00	1	1	162.0	287.0	2.09	DO-15
P6KE200A	P6KE200CA	171.0	190.00	210.00	1	1	171.0	274.0	2.19	DO-15
P6KE220	P6KE220C	175.0	198.00	242.00	1	1	175.0	344.0	1.74	DO-15
P6KE220A	P6KE220CA	185.0	209.00	231.00	1	1	185.0	328.0	1.83	DO-15
P6KE250	P6KE250C	202.0	225.00	275.00	1	1	202.0	360.0	1.67	DO-15
P6KE250A	P6KE250CA	214.0	237.50	262.50	1	1	214.0	344.0	1.74	DO-15
P6KE300	P6KE300C	243.0	270.00	330.00	1	1	243.0	430.0	1.40	DO-15
P6KE300A	P6KE300CA	256.0	285.00	315.00	1	1	256.0	414.0	1.45	DO-15
P6KE350	P6KE350C	284.2	315.00	385.00	1	1	284.2	504.0	1.19	DO-15
P6KE350A	P6KE350CA	299.3	332.50	367.50	1	1	299.3	482.0	1.24	DO-15
P6KE380	P6KE380C	308.6	342.00	418.00	1	1	308.6	547.2	1.10	DO-15
P6KE380A	P6KE380CA	324.9	361.00	399.00	1	1	324.9	524.4	1.14	DO-15
P6KE400	P6KE400C	324.8	360.00	440.00	1	1	324.8	574.0	1.05	DO-15
P6KE400A	P6KE400CA	342.0	380.00	420.00	1	1	342.0	548.0	1.09	DO-15
P6KE440	P6KE440C	357.3	396.00	484.00	1	1	357.3	633.6	0.95	DO-15
P6KE440A	P6KE440CA	376.2	418.00	462.00	1	1	376.2	607.2	0.99	DO-15
P6KE500	P6KE500C	406.0	450.00	550.00	1	1	406.0	720.0	0.83	DO-15
P6KE500A	P6KE500CA	427.5	475.00	525.00	1	1	427.5	690.0	0.87	DO-15
P6KE520	P6KE520C	422.2	468.00	572.00	1	1	422.2	748.8	0.80	DO-15
P6KE520A	P6KE520CA	444.6	494.00	546.00	1	1	444.6	717.6	0.84	DO-15
P6KE550	P6KE550C	446.6	495.00	605.00	1	1	446.6	792.0	0.76	DO-15
P6KE550A	P6KE550CA	470.3	522.50	577.50	1	1	470.3	759.0	0.79	DO-15

TVS

Part No.		P _{PP} (W) (Max)	BREAKDOWN VOLTAGE V _{BR} @I _T			I _R @V _{RWM} (μ A) (MAX)	V _{RWM} (V) (V)	I _{RSM} (A) (Max)	V _C @I _{RSM} (V)	Package
UNI	BI		MIN (V)	TYP (V)	IT (mA)					
P6KE600	P6KE600C	487.2	540.00	660.00	1	1	487.2	864.0	0.69	DO-15
P6KE600A	P6KE600CA	513.0	570.00	630.00	1	1	513.0	828.0	0.72	DO-15
SMBJ5A	SMBJ5CA	600	6.40	7.00	10	800	5.0	65.22	9.2	SMB
SMBJ6A	SMBJ6CA	600	6.67	7.37	10	800	6.0	58.25	10.3	SMB
SMBJ6V8A	SMBJ6V8CA	600	6.46	7.14	10	1000	5.8	57.14	10.5	SMB
SMBJ12A	SMBJ12CA	600	11.40	12.60	1	5	10.2	35.93	16.7	SMB
SMBJ20A	SMBJ20CA	600	19.00	21.00	1	1	17.1	21.66	27.7	SMB
SMCJ24A	-	1500	26.70	29.50	1	1	24.0	38.56	38.9	SMC
SMCJ26A	-	1500	28.90	31.90	1	1	26.0	35.63	42.1	SMC
SMCJ28A	-	1500	31.10	34.40	1	1	28.0	33.04	45.4	SMC
SMCJ30A	-	1500	33.60	36.80	1	1	30.0	30.99	48.4	SMC
SMCJ33A	-	1500	36.70	40.60	1	1	33.0	28.14	53.3	SMC
SMCJ36A	-	1500	40.00	44.20	1	1	36.0	25.82	58.1	SMC
SMCJ58A	-	1500	64.40	71.20	1	1	58.0	16.03	93.6	SMC
SMDJ24A	-	3000	26.70	29.50	5	2	24.0	77.12	38.9	SMC
SMDJ28A	-	3000	31.10	34.40	5	2	28.0	66.08	45.0	SMC
SMDJ33A	-	3000	36.70	40.60	5	2	33.0	56.29	53.3	SMC

TVS_ESD Protection

Part No.	P _{PK}	I _{PK}	ESD Contact IEC61000-4-2	ESD Air IEC61000-4-2	V _{RWM}	V _{BR}	I _r		V _c tp=8/20uA	C _j	Package
	(W) (Max)	(A) (Max)	(KV) (Max)	(KV) (Max)	(V) (Max)	(V) (Min)	(uA) (Max)	VRWM (V)	(V) (Max)	(pF) (Max)	
SMA3V	50	5	8	-	3.3	4.0	20.0	3.3	10.9	100	SOD-523 SOD-323 SOD-123
SMA5V	50	5	8	-	5.0	6.0	5.0	5.0	14.5	80	SOD-523 SOD-323 SOD-123
SMA7V	50	5	8	-	7.0	7.5	0.15	7.0	22.7	85	SOD-523 SOD-323 SOD-123
SMA8V	50	5	8	-	8.0	8.5	5.0	8.0	13.0	70	SOD-523 SOD-323 SOD-123
SMA12V	50	5	8	-	12.0	13.3	5.0	12.0	17.0	60	SOD-523 SOD-323 SOD-123
SMA15V	50	5	8	-	15.0	16.6	5.0	15.0	22.0	50	SOD-523 SOD-323 SOD-123
SMA24V	50	5	8	-	24.0	26.7	5.0	24.0	32.0	25	SOD-523 SOD-323 SOD-123
SMA36V	50	5	8	-	36.0	40.0	5.0	36.0	55.0	20	SOD-523 SOD-323 SOD-123
USMS05	350	24	20	25	5.0	6.0	20.0	5.0	14.5	400	SOT-26
SLVU2.8	400	24	-	-	2.8	3.0	1.0	2.8	12.5	100	SOT-23
SOT05C	140	13	8	15	5.0	6.0	5.0	5.0	10	120	SOT-23
UESDA6V1W5	150	-	8	15	3.0	6.1	1.0	3.0	-	90(Typ)	SOT-353
UZ5C056	150	10	-	-	5.0	6.3	1.0	6.3	14.5	100	SOT-26
USMS05	350	24	20	25	5.0	6.0	20.0	5.0	14.5	400	SOT-26
PUSB220	-	-	8	8	-	6.0	0.1	3.0	-	1(Typ)	SOT-26
USB4S012	-	-	10	10	-	20(VBUP)	0.5	-	-	15(VBUP)	SOT-26
UPRTR5V0U4D	-	-	8	8	-	6.0	0.1	3.0	-	1(Typ)	SOT-26
SRV05-4	350	12	8	8	5.0	6.0	5.0	5.0	17.0	1.2	SOT-26
TVS4S009	-	2.5	8	9	5.5	9.0	0.1	5.0	-	0.8(Typ)	SOT-26
URCZ1284	-	-	8	8	-	6.0	10000.0	5.0	-	-	QSOP-28
CCVGA7C5	-	-	8	8	-	-	100(ICC)	-	-	10(Typ)	SSOP-16
VGA7S019	-	-	8	8	-	9.0	-	-	-	-	SSOP-16
PPHDMI2020	-	-	8	8	-	5.0	-	-	-	-	SSOP-40
USP720	-	-	-	-	-	-	0.02(IIN)	-	-	3(Typ)	DIP-16
UESD4CUSB30	-	-	8	9	5.5	7	-	-	-	0.7(Typ)	SOT-25
ESD3V3S2B	-	8	30	8	3.3	-	0.05	3.3	4.5(Typ)	20	SOT-323
ESD5V0L1B	-	2.5	25	-	5	-	0.05	3.0	-	30	SOD-523
ESD6V2S1B	-	8	30	-	6.2	-	0.10	6.2	8.0(Typ)	10	SOT-323

TVS DIODE FOR ESD PROTECTION

Part No.	Configuration	VRWM	Reverse Breakdown Voltage		Reverse Leakage Current		Clamping Voltage (tp=8/20μs)		Package
		(V) (Typ)	V _{BR} (V)	I _r (mA)	I _r (uA)	V _c (V)	I _{pp} (A)		
USD03W	Single	3.3	4.0	1.00	125	3.3	6.5	1.0	SOD-323 SOD-123
USD05W	Single	5.0	6.0	1.00	10	5.0	9.8	1.0	SOD-323 SOD-123
USD08W	Single	8.0	8.5	1.00	10	8.0	13.4	1.0	SOD-323 SOD-123
USD12W	Single	12.0	13.3	1.00	1	12.0	19.0	1.0	SOD-323 SOD-123
USD15W	Single	15.0	16.7	1.00	1	15.0	24.0	1.0	SOD-323 SOD-123
USD24W	Single	24.0	26.7	1.00	1	24.0	43.0	1.0	SOD-323 SOD-123
USD36W	Single	36.0	40.0	1.00	1	36.0	60.0	1.0	SOD-323 SOD-123

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