ROHS compliant

lead-free

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PRODUCT
SELECTION GUIDE

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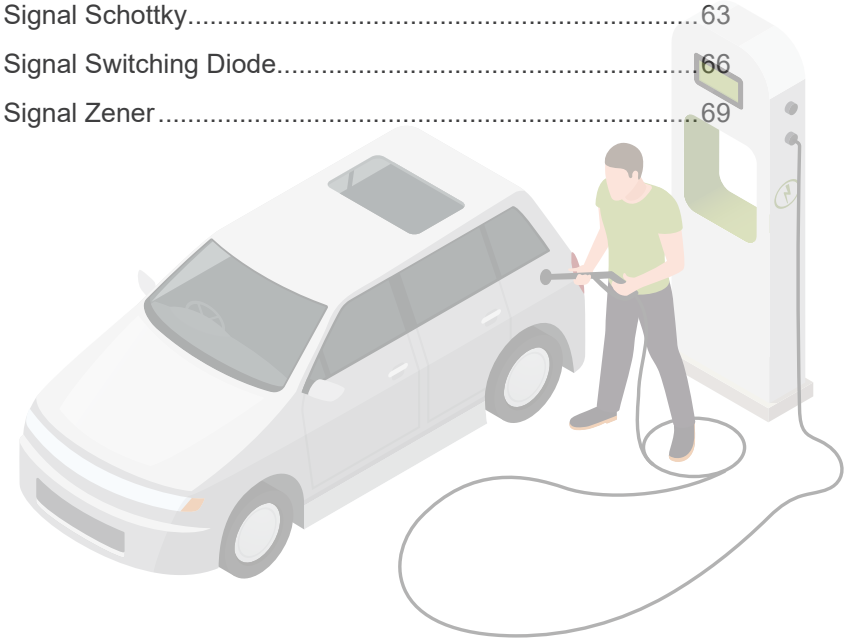
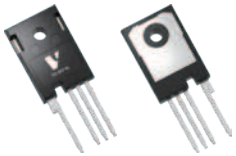




SiC MOSFET

HV - LV MOSFET

Power Bipolar TR

TVS

ESD Protection

Viitor Semiconductor is a market and technology driven company with years of rich experience in the global market and having forward-looking utility patents. Our team include top power semiconductor R&D engineers and world-renowned IDM semiconductor global marketing experts. We incorporate the best of tech and market expertise to build our own brand "Viitor Semiconductor".

Viitor Semi is committed to provide the highest quality, reliable and the most appropriate specifications of products and overall solutions. Despite such advantages, we persevere in offering customers more professional, high-efficiency and high-quality power component products along with the technical solutions. Furthermore, we provide customized specifications and module design services to meet every customer's needs.

Many big brands not only validate our components but use in their latest product in the market. Through the adding value created by Viitor Semiconductor, we work with customer to make the most effective product development, the best user experience, and make profits together.

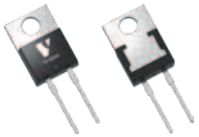
Viitor Semiconductor continues to develop better functional power components and circuit protection components to achieve the needs of various application fields by our rich experience in product design and the advanced manufacturing processes.

Viitor Semiconductor expect to provide customers with the most efficient and most assured product development certification and to reduce development delays caused by the error correction and repeated product verification, as high-quality automotive specifications and reliability requirements are the fundamentals for our products.

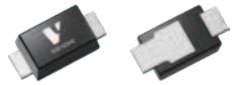
At present, Viitor Semiconductor has been adopted by major automotive manufacturers and well-known consumer electronics manufacturers. We look forward to becoming one of your most reliable and satisfactory partners.

On top of that, giving back to the society, helping disadvantaged and going green are the ultimate responsibilities of Viitor Semiconductor. It is worth mentioning that green environmental protection has become the consensus of global citizens. As a part of the technology industry chain, we are familiar with various environmental protection regulations, since Viitor Semiconductor cooperate with the EU and international manufacturers as well. We devoting ourselves to helping customers maintain the beauty of the earth with green manufacturing.

In the future, Viitor Semiconductor will uphold the spirit of full customer satisfaction, continuously grow and fulfill sustainable development in the aspects of economic, social and environment, and will closely cooperate with customers to develop and create a win-win situation and keep moving forward.

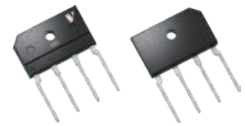


SiC Schottky



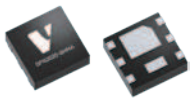
Power Schottky

GPD & FRD



Bridge Rectifier

Power Zener



SS MOSFET

SS Bipolar TR

SS Digital TR

SS Schottky

SS Switching

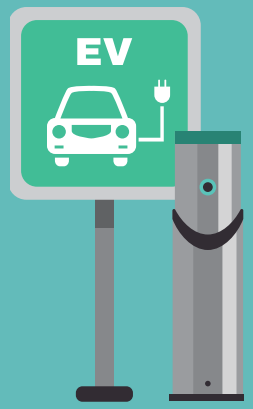
SS Zener

Viitor Semi in Electric Mobility Ecosystem

Comfort Unit
- USB Charger
- Instrument Cluster
- Side Stand

Safety Unit
- DC/DC Controller
- Power Distribution Unit
- Lighting

On-Board Charger
- OBC Path
- DC Path



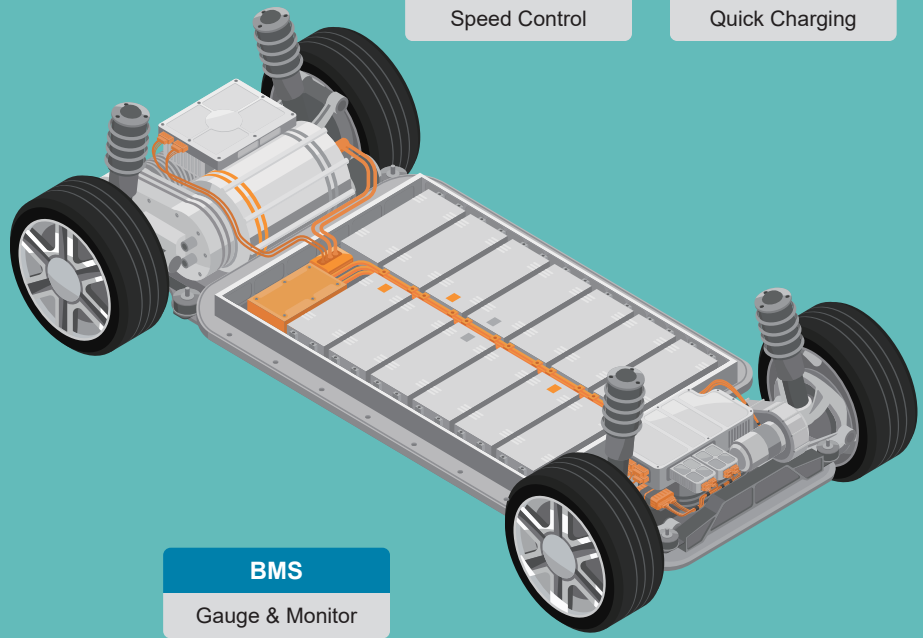
Inverter
DC-AC to Driver Motor

Motor
Power Output

HV Battery
Provide Power

Transmission
Speed Control

DC Charging
Quick Charging



ECU/Motor drive
- MCU
- Driver
- DC/DC Converter
- Cooling System
- Power Bridge
- Motor

BMS
- Battery Management Unit
- Lithium-Ion Cells

BMS
Gauge & Monitor

AC Charging
Slow Charging

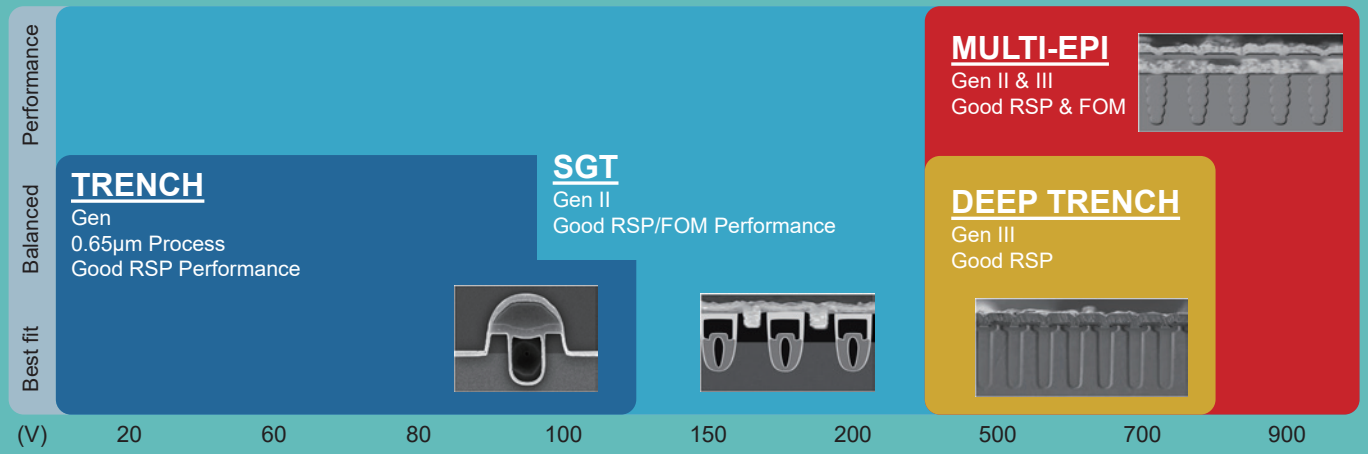
DC/DC
DC/DC

OBC
AC-DC

Leading Edge MOSFET Technologies

Optimized SGT Structure Sets A Record in $R_{DS(ON)}$

DIVERSIFIED PRODUCTS



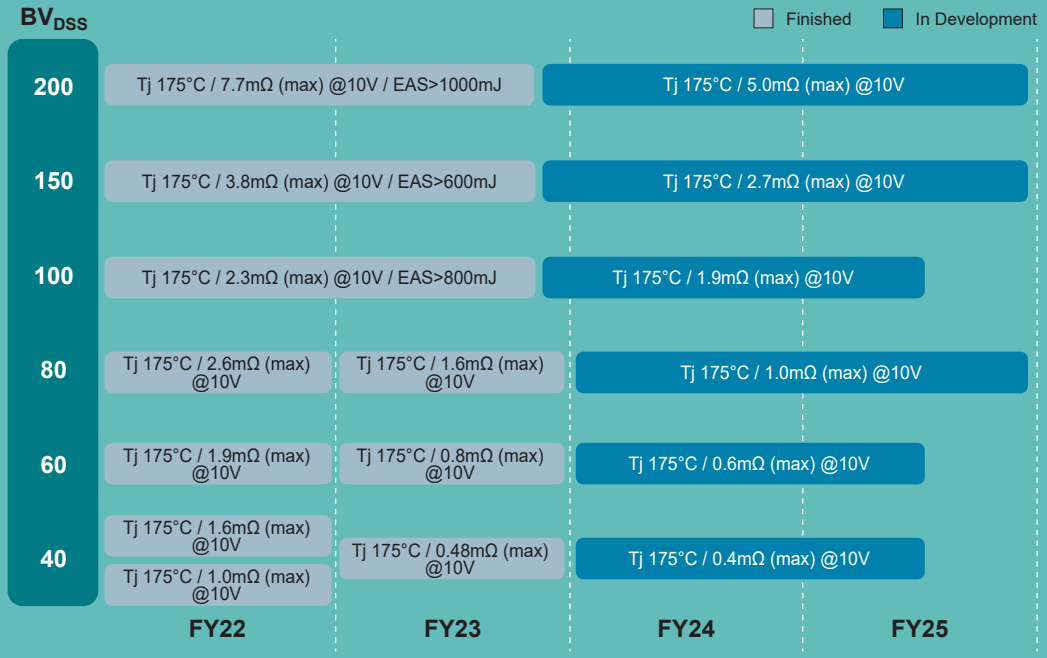
KEY FEATURES

- Extremely Low $R_{DS(ON)}$
- Excellent Figure of merit FoM ($R_{DS(ON)}$ x Q_G)
- Low input capacitances for EMI immunity
- High avalanche ruggedness
- AEC-Q101 rev. D1 qualified (options)

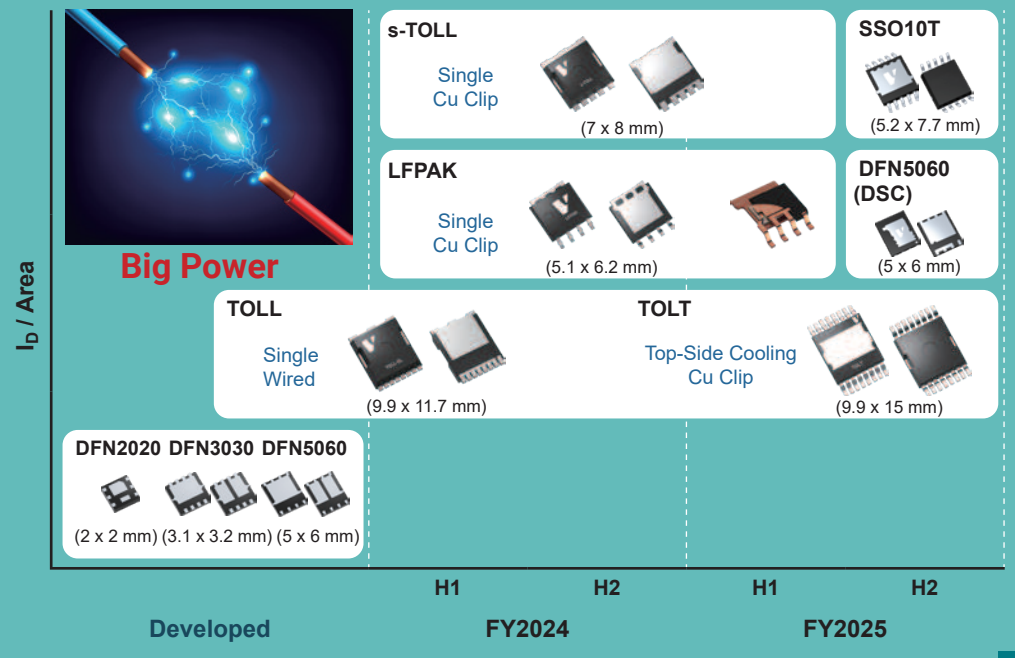
KEY PACKAGES

- SOT-23/x23 series
- DFN2020
- DFN3030
- DFN5060
- DFN5060 (DSC)
- TO-252
- TO-263
- TOLL-8L
- s-TOLL
- LFPAK
- SSO10T
- TOLT

MID. VOLTAGE MOS ROADMAP



PACKAGE ROADMAP



Silicon Carbide (SiC) MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @18V (mΩ)	Q_g Typ. (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	T_j (˚C)
VCPT120N070H	TO-247-4L	N	1200	38	70	40 @ -4 / +18V	920	57	57	-8 / 22	2.8	175
VCPT120N060H	TO-247-4L	N	1200	44	60	40 @ -4 / +15V	1037	65	65	-8 / 22	2.8	175
VCPT120N032H	TO-247-4L	N	1200	76	32	16 @ -4 / +15V	2159	127	127	-8 / 22	2.8	175
VCPT120N027H	TO-247-4L	N	1200	87	27	96 @ -4 / +15V	2700	143	143	-8 / 22	2.8	175
VCPT120N014H	TO-247-4L	N	1200	152	14	230 @ -4 / +18V	5469	235	235	-8 / 22	2.8	175

High Voltage Super Junction MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VPDQ70N1K6K	SOT-223-2	N	700	2.6	1600		5.8	209	12	5	20	
VPDQ70N1K1K	SOT-223-2	N	700	2.5	1050		7.5	312	12	2	20	
VPAT60N280	TO-220F	N	600	10	280		25.5	835	42	8	30	
VPAT60N280A	TO-220F	N	600	7	280		25.5	835	42	8	30	Y
VPAT65N430K	TO-220F	N	650	4.7	430		18.4	722	24	5.9	30	
VPAT65N180	TO-220F	N	650	8	180		38	1683	40	6	30	
VPAT65N640	TO-220F	N	650	3.2	0.64		10	399	25	4.9	30	
VPAT70N1K1K	TO-220F	N	700	3.2	1050		8.2	313	17	5	20	
VPAT80N1K6	TO-220F	N	800	3	1600		24	1066	31	6	30	
VPCT65N430K	TO-220FB	N	650	10	430		18.4	722	24	5.9	30	
VPCT65N310	TO-220FB	N	650	9	310		25	824	54	7	30	
VPCT65N180	TO-220FB	N	650	14	180		38	1683	40	6	30	
VPCT65N180A	TO-220FB	N	650	14	180		38	1683	40	6	30	Y
VPPT65N190	TO-247	N	650	18	190		45	1479	91	10	30	
VGPT65N070	TO-247	N	650	47	70		123	4476	126	18	30	
VPPT65N041	TO-247	N	650	66	41		151.2	7569	160	6	30	
VTR65N430K	TO-252	N	650	6	430		18.4	722	24	5.9	30	
VPR70N1K6K	TO-252	N	700	2.7	1600		5.8	209	12	5	20	
VPV60N160	TO-263	N	600	21	160		44.6	1468	65	8	30	
VPV60N160A	TO-263	N	600	21	160		44.6	1468	65	8	30	Y
VPV65N190	TO-263	N	650	19.5	190		46	1476	65	9	30	
VPGK65N125	TOLL-K	N	650	29	125		54	824	61	2.6	30	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTM302N060US	DFN3030	N	20	63	6	6.5	44	2619	388	344	20	
VTM303N180LS	DFN3030	N	30	27	18	30	12.7	480	62	40	20	
VTM303N070LS	DFN3030	N	30	42	7	11	24	1122	140	105	20	
VTM303N070LSA	DFN3030	N	30	42	7	11	24	1122	140	105	20	Y
VTM303N040LS	DFN3030	N	30	48	4	5.5	53	2300	278	229	20	
VTM303N040LSA	DFN3030	N	30	48	4	5.5	53	2300	278	229	20	Y
VDM303N024LS	DFN3030	N	30	101	2.4	3.3	39	2486	1726	34	20	
VDM303N024LSA	DFN3030	N	30	105	2.4	3.3	39	2486	1726	34	20	Y
VTM304N320LS	DFN3030	N	40	15	32	42	9.4	415	38	33	20	
VTM304N160LS	DFN3030	N	40	29	16	20	22	1038	83	52	20	
VTM304N160LSA	DFN3030	N	40	29	16	20	22	1038	83	52	20	Y
VTM304N073LS	DFN3030	N	40	48	7.3	9.3	48.5	2268	169	121	20	
VTM304N073LSA	DFN3030	N	40	48	7.3	9.3	48.5	2268	169	121	20	Y
VTM304N065LSA	DFN3030	N	40	52	6.5	9	69.9	3255	260	195	20	Y
VTM304N057LS	DFN3030	N	40	52	5.7	7	69.9	3255	260	195	20	
VTM304N057LSA	DFN3030	N	40	52	5.7	7	69.9	3255	260	195	20	Y
VDM304N028LS	DFN3030	N	40	90	2.8	3.5	46	2936	564	34	20	
VDM304N028LSA	DFN3030	N	40	90	2.8	3.5	46	2936	564	34	20	Y
VDM304N020LSA	DFN3030	N	40	118	2	3.1	49	2312	1053	97	20	Y
VDM3E4N085LSA	DFN3030	N	45	48	9.5	16	14	825	290	15	20	Y
VDM3E4N085LS	DFN3030	N	45	48	8.5	16	14	825	290	15	20	
VTM306N750LS	DFN3030	N	60	8.4	75	90	8	445	22	18	20	
VTM306N750LSA	DFN3030	N	60	8.4	75	90	8	445	22	18	20	Y
VTM306N300LS	DFN3030	N	60	18	30	39	19	1260	47	43	20	
VTM306N300LSA	DFN3030	N	60	18	30	39	19	1200	46	42	20	Y
VTM306N160LS	DFN3030	N	60	31	16	18	37	2154	91	47	20	
VDM3E6N200LS	DFN3030	N	65	25	20	30	9	406	147	18	20	
VDM3E6N200LSA	DFN3030	N	65	25	20	30	9.6	406	169	25	20	Y
VDM3E6N150LS	DFN3030	N	65	28	15	21	12	564	203	22	20	
VDM3E6N150LSA	DFN3030	N	65	28	15	21	12	564	203	22	20	Y
VDM3E6N110LS	DFN3030	N	65	48	11	16	14	825	290	15	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDM3E6N110LSA	DFN3030	N	65	48	11	16	14	825	290	15	20	Y
VDM3E6N085LSA	DFN3030	N	65	48	9.5	16	14	825	290	15	20	Y
VDM3E6N085LS	DFN3030	N	65	48	8.5	16	14	825	290	15	20	
VDM3E6N061LK	DFN3030	N	65	50	6.1	10	31	1691	604	37	20	
VDM3E6N061LKA	DFN3030	N	65	50	6.1	10	31	1691	604	37	20	Y
VDM308N065LS	DFN3030	N	80	30	6.5	8.5	35	1812	903	53	20	
VDM308N065LSA	DFN3030	N	80	55	6.5	8.5	35	1812	903	53	20	Y
VTM310N1K1LS	DFN3030	N	100	8	115	125	20	1155	28	25	20	
VTM310N550LS	DFN3030	N	100	15	55	65	41.5	2361	50	13	20	
VTM310N550LSA	DFN3030	N	100	15	55	65	41.5	2361	50	13	20	Y
VDM310N170LS	DFN3030	N	100	35	17	23.5	22	1092	537	69	20	
VDM310N170LSA	DFN3030	N	100	35	17	23.5	22	1092	537	69	20	Y
VDM310N095LS	DFN3030	N	100	45	9.5	12.4	38	1685	307	24	20	
VDM310N095LSA	DFN3030	N	100	45	9.5	12.4	38	1685	307	24	20	Y
VTM310P1K4LS	DFN3030	P	-100	-11	140	150	31.3	1785	56	12	20	
VTM310P1K4LSA	DFN3030	P	-100	-11	140	150	31.3	1785	56	12	20	Y
VTM306P1K6LS	DFN3030	P	-60	-9.3	160	220	7	361	25	20	20	
VTM306P1K6LSA	DFN3030	P	-60	-9.3	160	220	7	361	25	20	20	Y
VTM306P450LS	DFN3030	P	-60	-20	45	50	34	2089	99	50	20	
VTM306P450LSA	DFN3030	P	-60	-20	45	50	34	2089	99	50	20	Y
VTM304P400LS	DFN3030	P	-40	-18	40	55	19	1078	80	42	20	
VTM304P400LSA	DFN3030	P	-40	-18	40	55	19	1078	80	42	20	Y
VTM304P190LS	DFN3030	P	-40	-30	19	29	42	2573	174	111	20	
VTM304P190LSA	DFN3030	P	-40	-30	19	29	42	2573	174	111	20	Y
VTM304P150LS	DFN3030	P	-40	-35	15	18	59	3538	265	178	20	
VTM304P150LSA	DFN3030	P	-40	-35	15	18	59	3538	265	178	20	Y
VTM304P130LS	DFN3030	P	-40	-35	13	18	59	3538	265	178	20	
VTM304P130LSA	DFN3030	P	-40	-35	13	18	59	3538	265	178	20	Y
VTM303P600LS	DFN3030	P	-30	-13	60	110	9	420	53	46	20	
VTM303P250LS	DFN3030	P	-30	-22	25	43	19	1170	120	77	20	
VTM303P180LS	DFN3030	P	-30	-30	18	29	42	2573	174	111	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTM303P150LS	DFN3030	P	-30	-44	15	18	43	2363	244	184	20	
VTM303P080LS	DFN3030	P	-30	-50	8	12	70	3721	380	293	20	
VTM303P080LSA	DFN3030	P	-30	-50	8	12	70	3721	380	293	20	Y
VTM302P500US	DFN3030	P	-20	-15.7	50	60	12.6	535	91	64	12	
VTM302P190US	DFN3030	P	-20	-29.5	19	25	28	1242	188	148	20	
VTM302P130US	DFN3030	P	-20	-56	13	16	68	2896	451	384	12	
VTM302P100US	DFN3030	P	-20	-60	10	13	102	4596	546	449	12	
VTM302P070US	DFN3030	P	-20	-60	7	8	102	4596	546	449	12	
VDM403D120LS	DFN3030 (Dual)	N/N	30	33.8	12	14.5	22.5	1028	126	95	20	
VTM403D102LS	DFN3030 (Dual)	N/N	30	40	10.2	13.5	23	1122	139	106	20	
VDM404D165LS	DFN3030 (Dual)	N/N	40	23	16.5	26	12.2	602	291	45	20	
VTM410D3K3LS	DFN3030 (Dual)	N/N	100	3.1	335	345	8.1	443	14	12	20	
VTM403C290LS	DFN3030 (Dual)	N/P	30/-30	29/-18.8	9.3/30.1	13/53.3	12/19.8	1122/1150	103/140	105/80	20	
VTM403C300LS	DFN3030 (Dual)	N/P	30/-30	16/-17.5	20/28	27/46	11.8/22	463/1214	138/61	60/128	20	
VTM403P620LS	DFN3030 (Dual)	P/P	-30	-9	62	112	9.3	420	53	46	20	
VTM403P620LSA	DFN3030 (Dual)	P/P	-30	-9	62	112	9.3	420	53	46	20	Y
VTM502N060US	DFN5060	N	20	71	6	7	44	2620	389	343	20	
VTM503N080LS	DFN5060	N	30	42	8	12.5	25	1132	135	103	20	
VTM503N080LSA	DFN5060	N	30	42	8	12.5	25	1132	135	103	20	Y
VTM503N041LS	DFN5060	N	30	60	4.1	6.1	53	2300	278	229	20	
VTM503N041LSA	DFN5060	N	30	60	4.1	6.1	53	2300	278	229	20	Y
VTM503N031LS	DFN5060	N	30	68	3.1	4.6	79	3652	430	353	20	
VTM503N031LSA	DFN5060	N	30	68	3.1	4.6	79	3652	430	353	20	Y
VTM503N018LS	DFN5060	N	30	110	1.8	2.5	163	7462	886	733	20	
VTM503N018LSA	DFN5060	N	30	110	1.8	2.5	163	7462	886	733	20	Y
VDM503N007LSA	DFN5060	N	30	460	0.7	1.1	100	5571	2059	236	20	Y
VTM504N160LS	DFN5060	N	40	29	16	20	22	1038	83	52	20	
VTM504N160LSA	DFN5060	N	40	29	16	20	22	1038	83	52	20	Y
VTM504N060LS-AH	DFN5060	N	40	75	7.6	9.5	48	2268	168	121	20	Y
VTM504N076LS	DFN5060	N	40	48	7.6	9.5	48	2268	168	121	20	
VTM504N055LS	DFN5060	N	40	57	5.5	6.8	69.9	3255	260	195	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTM504N055LSA	DFN5060	N	40	57	5.5	6.8	69.9	3255	260	195	20	Y
VTM504N040LS	DFN5060	N	40	107	4	5	143	7007	549	404	20	
VTM504N040LSA	DFN5060	N	40	113	4	5	143	7007	549	404	20	Y
VDM504N031LSA	DFN5060	N	40	100	3.1	4.9	48	2979	552	34	20	Y
VDM504N025LS	DFN5060	N	40	100	2.5	3.8	48	2979	552	34	20	
VDM504N025LSA	DFN5060	N	40	100	2.5	3.8	48	2979	552	34	20	Y
VTM504N019L	DFN5060	N	40	110	1.9	3	70	4863	1985	70	20	
VTM504N019LA	DFN5060	N	40	110	1.9	3	70	4863	1985	70	20	Y
VTM504N016LSA	DFN5060	N	40	120	1.6		77	4727	2175	156	20	Y
VDM504N012LSA	DFN5060	N	40	145	1.26		80	4833	1958	181	20	Y
VDM504N010LSA	DFN5060	N	40	297	1		80	4875	2047	175	20	Y
VDM504N008LSA	DFN5060	N	40	200	0.8	1.5	114	5072	1876	204	20	Y
VDM504N006LSA	DFN5060	N	40	200	0.65	1.08	168	8355	2819	117	20	Y
VTM506N750LS	DFN5060	N	60	9.3	75	90	8	445	22	18	20	
VTM506N750LSA	DFN5060	N	60	9.3	75	90	8	445	22	18	20	Y
VTM506N330LS	DFN5060	N	60	19	33	39	19	1260	47	43	20	
VTM506N330LSA	DFN5060	N	60	19	33	39	19	1260	47	43	20	Y
VTM506N160LS	DFN5060	N	60	31	16	18	37	2154	91	47	20	
VTM506N160LSA	DFN5060	N	60	33	16	18	37	2154	91	47	20	Y
VDM506N065LS	DFN5060	N	60	48	6.5	8.5	35	1812	903	53	20	
VTM506N033L	DFN5060	N	60	80	3.3	4.5	74.4	4631	1745	37	20	
VTM506N025LSA	DFN5060	N	60	160	2.5	4.5	99	4894	2208	171	20	Y
VDM506N019LSA	DFN5060	N	60	176	1.9	3.8	90	4891	1564	70	20	Y
VDM506N010LSA	DFN5060	N	60	320	1.05	1.69	153	7597	2165	183	20	Y
VDM5E6N150LS	DFN5060	N	65	38	15	21.5	12	561	218	19	20	
VDM5E6N150LSA	DFN5060	N	65	38	15	21.5	12	561	218	19	20	Y
VDM5E6N110LS	DFN5060	N	65	48	11	16.5	15	830	260	20	20	
VDM5E6N110LSA	DFN5060	N	65	45	11	16.5	15	830	260	20	20	Y
VDM5E6N095LS	DFN5060	N	65	45	9.5	16	15	830	260	20	20	
VDM5E6N059LK	DFN5060	N	65	59	5.85	9.4	31	1691	604	37	20	
VDM5E6N059LKA	DFN5060	N	65	62	5.85	9.4	31	1691	604	37	20	Y

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDM5E6N050LS	DFN5060	N	65	84	5	7.5	38.3	1645	486	22	20	
VDM5E6N050LSA	DFN5060	N	65	84	5	7.5	38.3	1645	486	22	20	Y
VDM5E6N030LS	DFN5060	N	65	115	3	4.5	78.5	4128	1245	34	20	
VDM5E6N030LSA	DFN5060	N	65	115	3	4.5	78.5	4128	1245	34	20	Y
VDM508N170LS	DFN5060	N	80	38	17	22	22	984	309	16	20	
VDM508N065LS	DFN5060	N	80	48	6.5	8.5	35	1812	903	53	20	
VTM508N040S	DFN5060	N	80	82.4	4	4.2	89	5500	833	63	20	
VDM508N026LSA	DFN5060	N	80	100	2.6		105	5531	845	62	20	Y
VTM510N1K1LS	DFN5060	N	100	8	115	125	19	1142	27	24	20	
VTM510N1K1LSA	DFN5060	N	100	9	115	125	19	1142	27	24	20	Y
VDM510N680LK	DFN5060	N	100	15	68	92	9	317	61	7	20	
VTM510N550LS	DFN5060	N	100	16	55	65	43	2449	50	1	20	
VTM510N550LSA	DFN5060	N	100	16	55	65	43	2449	50	1	20	Y
VDM510N300LSA	DFN5060	N	100	25	30	42	12.5	668	286	7.6	20	Y
VDM510N170LS	DFN5060	N	100	38	17	23.5	22	982	164	7.6	20	
VDM510N170LSA	DFN5060	N	100	38	17	23.5	22	982	164	7.6	20	Y
VDM510N090LS	DFN5060	N	100	52	9	12.4	38	1685	307	24	20	
VDM510N090LSA	DFN5060	N	100	52	9	12.4	38	1685	307	24	20	Y
VDM510N080L	DFN5060	N	100	52	8	10.5	33.7	2074	536	34	20	
VDM510N075LS	DFN5060	N	100	60	7.5	9.5	75	3742	698	34	20	
VDM510N075LSA	DFN5060	N	100	60	7.5	9.5	75	3742	698	34	20	Y
VDM510N065LS	DFN5060	N	100	80	6.5	9	56	2551	495	34	20	
VDM510N065LSA	DFN5060	N	100	80	6.5	9	56	2551	495	34	20	Y
VDM510N045LS	DFN5060	N	100	80	4.5	6.6	75	3742	698	34	20	
VDM510N045LSA	DFN5060	N	100	80	4.5	6.6	75	3742	698	34	20	Y
VDM510N034LSA	DFN5060	N	100	90	3.4	4.8	96	4808	768	53	20	Y
VDM512N075L	DFN5060	N	120	61	7.5	8.1	57	3801	409	34	20	
VDM512N075LA	DFN5060	N	120	61	7.5	8.1	57	3801	409	34	20	Y
VDM512N060LS	DFN5060	N	120	77	6	7.5	71.4	3606	598	34	20	
VDM512N060LSA	DFN5060	N	120	77	6	7.5	71.4	3606	598	34	20	Y
VDM515N500S	DFN5060	N	150	20	50		24	1091	82	12	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDM515N130LS	DFN5060	N	150	60	13	15	71	3789	296	21	20	
VDM515N130LSA	DFN5060	N	150	60	13	15	71	3789	296	21	20	Y
VDM515N090LS	DFN5060	N	150	60	9	13	69	3656	383	34	20	
VDM520N500S	DFN5060	N	200	22	50		15.9	1100	101	10	20	
VTM510P680L	DFN5060	P	-100	-18	68	78	71	4177	95	17	20	
VTM510P680LA	DFN5060	P	-100	-18	68	78	71	4177	95	17	20	Y
VTM506P750LS	DFN5060	P	-60	-14	75	110	16	954	50	45	20	
VTM506P450LS	DFN5060	P	-60	-22	45	50	34	2089	99	50	20	
VTM506P450LSA	DFN5060	P	-60	-22	45	50	34	2089	99	50	20	Y
VDM506P140LSA	DFN5060	P	-60	-50	14	19	45	2725	454	37	20	Y
VDM506P068LSA	DFN5060	P	-60	-71	6.8	9	222	12542	656	192	20	Y
VTM504P860LS	DFN5060	P	-40	-8.8	86	134	8.5	446	39	33	20	
VTM504P400LS	DFN5060	P	-40	-23	40	55	19	1078	80	42	20	
VTM504P400LSA	DFN5060	P	-40	-23	40	55	19	1078	80	42	20	Y
VTM504P190LS	DFN5060	P	-40	-32	19	29	42	2573	174	111	20	
VTM504P190LSA	DFN5060	P	-40	-32	19	29	42	2573	174	111	20	Y
VTM504P130LS	DFN5060	P	-40	-40	13	18	59	3538	265	178	20	
VTM504P130LSA	DFN5060	P	-40	-40	13	18	59	3538	265	178	20	Y
VTM504P068SS	DFN5060	P	-40	-68	6.8		105	7475	555	329	20	
VTM504P065LS	DFN5060	P	-40	-70	6.5	9	125	7560	521	344	20	
VTM504P065LSA	DFN5060	P	-40	-70	6.5	9	125	7560	521	344	20	Y
VTM503P300LS	DFN5060	P	-30	-22	30	45	19.8	1150	103	80	20	
VTM503P260L	DFN5060	P	-30	-25	26	42	22	1264	120	80	20	
VTM503P200LS	DFN5060	P	-30	-29	20	38	22	1195	125	93	20	
VTM503P200LSA	DFN5060	P	-30	-29	20	38	22	1195	125	93	20	Y
VTM503P140LS	DFN5060	P	-30	-56	14	18	70	3636	382	306	20	
VTM503P120LS	DFN5060	P	-30	-45	12	17	43	2363	244	184	20	
VTM503P090L	DFN5060	P	-30	-66	9	14	64	3397	426	302	20	
VTM503P080LS	DFN5060	P	-30	-55	8	12	70	3636	382	306	20	
VTM503P080LSA	DFN5060	P	-30	-55	8	12	70	3636	382	306	20	Y
VTM503P075LK	DFN5060	P	-30	-62	7.5	11.5	112	7150	650	472	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTM503P055LS	DFN5060	P	-30	-94.6	5.5	7	146	8000	802	630	20	
VTM503P055LSA	DFN5060	P	-30	-94.6	5.5	7	146	8000	802	630	20	Y
VTM503P039LS	DFN5060	P	-30	-95	3.9	5.6	146	8000	802	630	20	
VTM503P039LSA	DFN5060	P	-30	-95	3.9	5.6	146	8000	802	630	20	Y
VTM502P130US	DFN5060	P	-20	-59	13	16	68	2896	451	384	12	
VTM502P130USA	DFN5060	P	-20	-59	13	16	68	2896	451	384	12	Y
VTM502P100US	DFN5060	P	-20	-65	10	13	102	4596	546	449	12	
VTM502P100USA	DFN5060	P	-20	-65	10	13	102	4596	546	449	12	Y
VTM502P057L	DFN5060	P	-20	-72.5	5.7	8	88	8215	1087	957	12	
VTM602D250US	DFN5060 (Dual)	N/N	20	18		25	9	550	71	49	8	
VTM603D110LS	DFN5060 (Dual)	N/N	30	47	11	15	25	1132	135	103	20	
VTM604D320LS	DFN5060 (Dual)	N/N	40	12	32	42	11	446	38	35	20	
VTM604D320LSA	DFN5060 (Dual)	N/N	40	14	32	42	9.4	415	38	33	20	Y
VTM604D096LS	DFN5060 (Dual)	N/N	40	52	9.6	11.5	48	2268	168	121	20	
VTM604D096LSA	DFN5060 (Dual)	N/N	40	52	9.6	11.5	48	2268	168	121	20	Y
VTM604N093L	DFN5060 (Dual)	N/N	40	40	9.3	10.9	17	956	241	28	20	
VTM604N093LA	DFN5060 (Dual)	N/N	40	40	9.3	10.9	17	956	241	28	20	Y
VDM604D070LS	DFN5060 (Dual)	N/N	40	49	7	9	70.7	3355	261	193	20	
VDM604D070LSA	DFN5060 (Dual)	N/N	40	49	7	9	70.7	3355	261	193	20	Y
VDM6E4D135LS	DFN5060 (Dual)	N/N	45	37	13.5	18	15	830	260	20	20	
VDM6E4D135LSA	DFN5060 (Dual)	N/N	45	37	13.5	18	15	830	260	20	20	Y
VTM606N750LS	DFN5060 (Dual)	N/N	60	10	75	90	8.6	445	22	18	20	
VTM606N750LSA	DFN5060 (Dual)	N/N	60	10	75	90	8.6	445	22	18	20	Y
VTM606D300LS-AH	DFN5060 (Dual)	N/N	60	18	33	39	19	1260	47	43	20	Y
VTM606D330LS	DFN5060 (Dual)	N/N	60	18	33	39	19	1260	47	43	20	
VDM606D150LS	DFN5060 (Dual)	N/N	60	35	15	20	14.6	782	353	19	20	
VDM606D150LSA	DFN5060 (Dual)	N/N	60	35	15	20	14.6	782	353	19	20	Y
VDM6E6D120LS	DFN5060 (Dual)	N/N	65	37	13.5	18	15	830	260	20	20	
VDM6E6D120LSA	DFN5060 (Dual)	N/N	65	37	13.5	18	15	830	260	20	20	Y
VTM610D1K1LS	DFN5060 (Dual)	N/N	100	7.2	115	125	19	1142	27	25	20	
VDM610N180LSA	DFN5060 (Dual)	N/N	100	31	18	28	24	1065	177	23	20	Y

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDM6E6M110LS	DFN5060 (Dual)	N/N	65/30	35/39	13/12	18.5/15.5	14/24	825/1122	140/290	15/105	20	
VTM603C290LS	DFN5060 (Dual)	N/P	30/-30	40/-24	9.3/25	13/45	25/19	1132/1195	125/135	103/93	20	
VTM603C290LSA	DFN5060 (Dual)	N/P	30/-30	40/-24	9.3/25	13/45	25/19	1132/1195	125/135	103/93	20	Y
VTM603C600LS	DFN5060 (Dual)	N/P	30/-30	21/-13	22/68	32/112	12.7/8.1	463/417	50/66	59/43	20	
VTM603C300LS	DFN5060 (Dual)	N/P	30/-30	21/-20	20/28	27/46	11.8/22	463/1214	138/61	60/128	20	
VTM604C400LS	DFN5060 (Dual)	N/P	40/-40	26/-15	20/44	24/59	22/19	1038/1083	79/83	52/40	20	
VTM604C400LSA	DFN5060 (Dual)	N/P	40/-40	26/-15	20/44	24/59	22/19	1038/1083	79/83	52/40	20	Y
VTM606C700LS	DFN5060 (Dual)	N/P	60/-60	15/-10	30/70	39/105	19/16	1141/950	51	17/19	20	
VTM606C700LSA	DFN5060 (Dual)	N/P	60/-60	15/-10	30/70	39/105	19/16	1141/950	51	17/19	20	Y
VTM606P800LS	DFN5060 (Dual)	P/P	-60	-12	80	105	14.3	980	52	25	20	
VTM603P600LS	DFN5060 (Dual)	P/P	-30	-17	60	110	9	420	53	46	20	
VTM603P270L	DFN5060 (Dual)	P/P	-30	-30	27	45	22	1277	121	84	20	
VTM603P270LA	DFN5060 (Dual)	P/P	-30	-30	27	45	22	1277	121	84	20	Y
VDLF504N009LSA	LFPAK	N	40	300	0.9	1.5	263	14406	1043	369	20	Y
VDLF504N006LSA	LFPAK	N	40	325	0.66		121	7204	2944	147	20	Y
VDLF504N004LSA	LFPAK	N	40	325	0.48	0.85	169	8375	2536	213	20	Y
VDLF506N022LSA	LFPAK	N	60	232	2.2		214	14193	531	55	20	Y
VDLF506N008LSA	LFPAK	N	60	300	0.8	1.3	155	7204	2154	249	20	Y
VDLF508N016LSA	LFPAK	N	80	300	1.6	2.4	153	6404	1169	65	20	Y
VDLF510N076LSA	LFPAK	N	100	133	7.6		199	13874	287	43	20	Y
VDLF510N023LSA	LFPAK	N	100	268	2.3	3.6	106	5266	1003	16	20	Y
VDLF506P060LSA	LFPAK	P	-60	175	6	8.6	222	13301	573	188	20	Y
VTQ06N900LK	SOT-223	N	60	7.2	90	107	1.3	310	23	18	20	
VTQ06N780LS	SOT-223	N	60	4	78	100	8.1	447	26	5	20	
VTQ06N780LSA	SOT-223	N	60	4	78	100	8.1	447	26	5	20	Y
VTQ06N420LS	SOT-223	N	60	12	42	50	19	1087	47	43	20	
VTQ06N420LSA	SOT-223	N	60	12	42	50	19	1087	47	43	20	Y
VTQ10N2K8LS	SOT-223	N	100	4	280	285	8.5	465	17	13	20	
VTQ10N1K1LS	SOT-223	N	100	4	115	125	20	1155	28	25	20	
VTQ10N1K1LSA	SOT-223	N	100	5	115	125	20	1155	28	25	20	Y
VTQ10N550LS	SOT-223	N	100	12	55	65	41.5	2361	50	13	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTQ10N550LSA	SOT-223	N	100	12	55	65	41.5	2361	50	13	20	Y
VDQ10N200LS	SOT-223	N	100	21	20	26	23	1045	181	8	20	
VTQ10P3K1LS	SOT-223	P	-100	-5	310	340	16	1046	29	25	20	
VTQ10P1K4LS	SOT-223	P	-100	-10	145	175	35	2087	55	8	20	
VTQ10P1K4LSA	SOT-223	P	-100	-10	145	175	35	2087	55	8	20	Y
VTQ06P1K7LS	SOT-223	P	-60	-7	170	220	7	361	25	20	20	
VTQ06P1K7LSA	SOT-223	P	-60	-7	170	220	7	361	25	20	20	Y
VTQ06P920L	SOT-223	P	-60	-15.2	92	125	16	923	44	37	20	
VTQ06P900LS	SOT-223	P	-60	-9	90	110	16	950	51	19	20	
VTQ06P900LSA	SOT-223	P	-60	-9	90	110	16	950	51	19	20	Y
VTQ06P460LS	SOT-223	P	-60	-14	46	52	34	2089	99	50	20	
VTQ03P700LS	SOT-223	P	-30	-12	70	110	9	420	53	46	20	
VTQ03P070LS	SOT-223	P	-30	-49.7	7	9	146	8000	802	630	20	
VTQ02P260US	SOT-223	P	-20	-20	26	28	28	1242	188	148	12	
VTQ02P260USA	SOT-223	P	-20	-20	26	28	28	1242	188	148	12	Y
VTQ02P130US	SOT-223	P	-20	-32.6	13	16	68	2896	451	384	12	
VDGS04N006LSA	s-TOLL	N	40	350	0.6		142	8525	3753	75	20	Y
VDGS06N013LSA	s-TOLL	N	60	228	1.3	2.5	136	7460	3168	60	20	Y
VDGS10N026LSA	s-TOLL	N	100	160	2.6		118	6237	1064	15	20	Y
VTAT04N040LS	TO-220F	N	40	58	4	5.1	143	7007	549	404	20	
VTAT04N040LSA	TO-220F	N	40	58	4	5.1	143	7007	549	404	20	Y
VTAT06N095L	TO-220F	N	60	39	9.5	15.5	24	1361	494	19	20	
VDATE6N061LK	TO-220F	N	65	50	6.1	10	31	1691	604	37	20	
VDATE6N033LS	TO-220F	N	65	64	3.3	4.8	75	4211	1303	34	20	
VTAT08N042S	TO-220F	N	80	65	4.2	4.9	89	5500	833	63	20	
VDAT10N098LS	TO-220F	N	100	35	9.8	12	42	1741	336	34	20	
VDAT10N098LSA	TO-220F	N	100	35	9.8	12	42	1741	336	34	20	Y
VDAT10N070LS	TO-220F	N	100	76	7	9.5	56	2551	495	34	20	
VDAT10N048LS	TO-220F	N	100	57	4.8	6.3	75	3742	698	34	20	
VTAT10N023L	TO-220F	N	100	98	2.3	2.9	217	11900	6418	440	20	
VDAT15N120LS	TO-220F	N	150	74	11.5	15	66	3823	349	27	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTAT15N065S	TO-220F	N	150	47	6.5	8	145	9434	608	34	25	
VTAT06P240L	TO-220F	P	-60	-43	24	33	72.6	4631	186	98	20	
VTAT04P065LS	TO-220F	P	-40	-63	7.2	9.7	125	7560	521	344	20	
VTCT03N030L	TO-220FB	N	30	130	3.6		42.5	2320	1004	101	20	
VTCT04N040LS	TO-220FB	N	40	99	5.2	6.5	143	6914	551	404	20	
VTCT04N040LSA	TO-220FB	N	40	99	5.2	6.5	143	6914	551	404	20	Y
VTCT04N019L	TO-220FB	N	40	100	2.6	3.3	70	4863	1985	70	20	
VTCT04N019LA	TO-220FB	N	40	100	2.6	3.3	70	4863	1985	70	20	Y
VTCT06N095L	TO-220FB	N	60	45	9.5	15.5	24	1361	494	19	20	
VDCTE6N061LK	TO-220FB	N	65	61	6.1	10.5	31	1691	604	37	20	
VDCTE6N061LKA	TO-220FB	N	65	61	6.1	10.5	31	1691	604	37	20	Y
VDCTE6N030LS	TO-220FB	N	65	98	3.3	4.8	75	4211	1303	34	20	
VDCTE6N030LSA	TO-220FB	N	65	98	3.3	4.8	75	4211	1303	34	20	Y
VDCT08N090LS	TO-220FB	N	80	64	9	11	36	1752	536	34	20	
VTCT08N040S	TO-220FB	N	80	110	4.5	5.3	89	5500	833	63	20	
VTCT08N040SA	TO-220FB	N	80	101	4.5	5.3	89	5500	833	63	20	Y
VDCT10N105LS	TO-220FB	N	100	57.5	10.5	13.9	40	1685	307	24	20	
VDCT10N105LSA	TO-220FB	N	100	66	10.5	13.9	42	1753	334	34	20	Y
VTCT10N065S	TO-220FB	N	100	75	6.5		81	3914	714	34	20	
VDCT10N040LS	TO-220FB	N	100	110	4.8	6.3	75	3742	698	34	20	
VDCT10N040LSA	TO-220FB	N	100	85	4.5	6.3	75	3742	698	34	20	Y
VDCT10N038LS	TO-220FB	N	100	178	3.8		88	5354	817	52	20	
VDCT10N038LSA	TO-220FB	N	100	178	3.8		88	5354	817	52	20	Y
VDCT15N132LS	TO-220FB	N	150	40	13.2	15.5	71	3789	296	21	20	
VDCT15N132LSA	TO-220FB	N	150	40	13.2	15.5	71	3789	296	21	20	Y
VTCT15N085S	TO-220FB	N	150	84	8.5		145	8837	576	34	25	
VTCT15N085SA	TO-220FB	N	150	84	8.5		145	8837	576	34	25	Y
VTCT10P680L	TO-220FB	P	-100	-19	68	75	71	4081	98	20	20	
VTCT06P240L	TO-220FB	P	-60	-56	24	33	71.7	4507	183	100	20	
VTCT04P072LS	TO-220FB	P	-40	-69	7.2	9.7	125	7560	521	344	20	
VTPT06N032S	TO-247	N	60	93	3.2		82	5155	1756	39	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDPT10N018S	TO-247	N	100	300	1.8		261	12984	2360	35	20	
VTR02N060US	TO-252	N	20	67	6	7	44	2619	388	344	12	
VTR03N080LS	TO-252	N	30	54	8	12.5	25	1132	135	103	20	
VTR03N080LSA	TO-252	N	30	54	8	12.5	25	1132	135	103	20	Y
VTR03N039LS	TO-252	N	30	80	3.9	6.1	53	2299	277	229	20	
VTR03N039LSA	TO-252	N	30	80	3.9	6.1	53	2299	277	229	20	Y
VTR03N031LS	TO-252	N	30	68	3.1	4.2	79	3652	430	353	20	
VTR03N022LS	TO-252	N	30	120	2.2	3.2	161	7282	887	747	20	
VTR04N320LS	TO-252	N	40	16	32	42	9.5	423	36	31	20	
VTR04N160LS	TO-252	N	40	36	16	20	22	1038	83	52	20	
VTR04N160LSA	TO-252	N	40	36	16	20	22	1038	83	52	20	Y
VDR04N110LS	TO-252	N	40	48	11	15	14	825	290	15	20	
VDR04N110LSA	TO-252	N	40	48	11	15	14	825	290	15	20	Y
VTR04N076LS	TO-252	N	40	53	7.6	9.5	48.5	2268	169	121	20	
VTR04N076LSA	TO-252	N	40	53	7.6	9.5	48.5	2268	169	121	20	Y
VTR04N070LS	TO-252	N	40	67	7	7.8	69.9	3255	260	195	20	
VTR04N070LSA	TO-252	N	40	72	7	7.8	72	3400	259	190	20	Y
VTR04N040LS	TO-252	N	40	111	4	5	143	7007	549	404	20	
VTR04N040LSA	TO-252	N	40	111	4	5	143	7007	549	404	20	Y
VDR04N028LS	TO-252	N	40	117	2.8	3.7	46	2936	564	34	20	
VDR04N028LSA	TO-252	N	40	117	2.8	3.7	46	2936	564	34	20	Y
VTR06N750LS	TO-252	N	60	12	75	95	8.6	445	22	18	20	
VTR06N750LSA	TO-252	N	60	12	75	95	8.6	445	22	18	20	Y
VTR06N340LS	TO-252	N	60	20	34	38	19	1260	47	43	20	
VTR06N340LSA	TO-252	N	60	20	34	38	19	1260	47	43	20	Y
VTR06N180LS	TO-252	N	60	38	18	20	37	2154	91	47	20	
VTR06N180LSA	TO-252	N	60	38	18	20	37	2154	91	47	20	Y
VDRE6N160LSA	TO-252	N	65	33	16	24	12.9	561	218	22	20	Y
VDRE6N110LSA	TO-252	N	65	48	11	16	14	825	290	15	20	Y
VDRE6N110LS	TO-252	N	65	48	11	15	14	825	290	15	20	
VDRE6N058LK	TO-252	N	65	77	5.8	9.4	31	1691	604	37	20	

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDRE6N058LKA	TO-252	N	65	77	5.8	9.4	31	1691	604	37	20	Y
VDRE6N032LS	TO-252	N	65	111	3.2	4.5	75	4211	1303	34	20	
VDRE6N032LSA	TO-252	N	65	111	3.2	4.5	75	4211	1303	34	20	Y
VDR08N070LS	TO-252	N	80	66	7	9.5	35	1812	903	53	20	
VTR10N1K1LS	TO-252	N	100	8	115	125	20	1155	28	25	20	
VTR10N1K1LSA	TO-252	N	100	8	115	125	20	1155	28	25	20	Y
VDR10N680LK	TO-252	N	100	17.8	68	92	9	317	61	7	20	
VDR10N680LKA	TO-252	N	100	17.8	68	92	9	317	61	7	20	Y
VTR10N550LSA	TO-252	N	100	16	55	65	41.5	2361	50	13	20	Y
VDR10N170LS	TO-252	N	100	35	17	23.5	22	1093	538	69	20	
VDR10N170LSA	TO-252	N	100	35	17	23.5	22	1093	538	69	20	Y
VDR10N110S	TO-252	N	100	45	11		33	1731	287	34	20	
VDR10N095LS	TO-252	N	100	54	9.5	13	38	1685	307	24	20	
VDR10N095LSA	TO-252	N	100	56	9.5	13	38	1685	307	24	20	Y
VDR10N085LS	TO-252	N	100	70	8.5	11	56	2551	495	34	20	
VDR10N085LSA	TO-252	N	100	70	8.5	11	56	2551	495	34	20	Y
VDR10N042LS	TO-252	N	100	80	4.2	6	78	3713	753	34	20	
VDR10N042LSA	TO-252	N	100	85	4.2	6	75	3742	698	34	20	Y
VDR15N670S	TO-252	N	150	20	67		8.5	531	78	7	20	
VDR15N650LS	TO-252	N	150	19	65		16.4	1041	67	31	25	
VDR15N540S	TO-252	N	150	24	54		23	1123	80	11	20	
VDR15N540SA	TO-252	N	150	24	54		23	1123	80	11	20	Y
VDR15N115LS	TO-252	N	150	37	11.5	15	71	3789	296	21	20	
VTR20N150S	TO-252	N	200	13.6	150		40.6	1006	76	26	20	
VTR20N150SA	TO-252	N	200	13.6	150		40.6	1006	76	26	20	Y
VTR10P7K0LS	TO-252	P	-100	-3.2	700	720	6.8	388	18	13	20	
VTR10P1K4LS	TO-252	P	-100	-14	140	150	35	2110	54	1.3	20	
VTR10P1K4LSA	TO-252	P	-100	-14	140	150	35	2110	54	1.3	20	Y
VTR10P680L	TO-252	P	-100	-22	68	78	71	4177	95	17	20	
VTR06P1K6LS	TO-252	P	-60	-8.7	160	220	7	361	25	20	20	
VTR06P1K6LSA	TO-252	P	-60	-8.7	160	220	7	361	25	20	20	Y

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VTR06P700LS	TO-252	P	-60	-16	70	100	16	954	50	45	20	
VTR06P600L	TO-252	P	-60	-18	60	75	24	1479	70	36	20	
VTR06P600LA	TO-252	P	-60	-18	60	75	24	1479	70	36	20	Y
VTR06P450LS	TO-252	P	-60	-25.7	45	60	35	2098	98	49	20	
VTR06P450LSA	TO-252	P	-60	-25.7	45	60	35	2098	98	49	20	Y
VTR04P970LS	TO-252	P	-40	-10	97	158	8.5	446	39	33	20	
VTR04P400LS	TO-252	P	-40	-20	40	50	19	1083	79	40	20	
VTR04P190LS	TO-252	P	-40	-32	19	29	42	2573	174	111	20	
VTR04P190LSA	TO-252	P	-40	-32	19	29	42	2573	174	111	20	Y
VTR04P150LS	TO-252	P	-40	-42	15	20	59	3538	265	178	20	
VTR04P150LSA	TO-252	P	-40	-42	15	20	59	3538	265	178	20	Y
VTR04P130LS	TO-252	P	-40	-45	13	18	59	3538	265	178	20	
VTR04P130LSA	TO-252	P	-40	-45	13	18	59	3538	265	178	20	Y
VTR04P076SS	TO-252	P	-40	-84	7.6		105	7475	555	329	20	
VTR04P076SSA	TO-252	P	-40	-84	7.6		105	7475	555	329	20	Y
VTR04P073LSA	TO-252	P	-40	-71	7.3	10.5	125	7560	521	344	20	Y
VTR04P073LS	TO-252	P	-40	-71	7.3	10	125	7560	521	344	20	
VTR03P250LS	TO-252	P	-30	-25	25	35	19	1195	125	93	20	
VTR03P250LSA	TO-252	P	-30	-25	25	35	19	1195	125	93	20	Y
VTR03P150LS	TO-252	P	-30	-49	15	20	43	2363	244	184	20	
VTR03P150LSA	TO-252	P	-30	-49	15	20	43	2363	244	184	20	Y
VTR03P082L	TO-252	P	-30	-61	8.2	13.2	63	3864	392	257	20	
VTR03P055LS	TO-252	P	-30	-100	5.5	7	146	8000	802	630	20	
VTR02P250US	TO-252	P	-20	-38	25	30	27	1220	185	142	12	
VTR02P130US	TO-252	P	-20	-68	13	17	68	2896	451	384	12	
VTR02P100US	TO-252	P	-20	-65	10	13	102	4596	546	449	12	
VTV04N040LS	TO-263	N	40	105	4	5	143	7007	549	404	20	
VTV04N040LSA	TO-263	N	40	105	4	5	143	7007	549	404	20	Y
VTV06N046L	TO-263	N	60	120	4.6	5.5	75	4631	1745	37	20	
VTV06N032S	TO-263	N	60	120	3.2		75	4597	2133	110	20	
VTV06N032SA	TO-263	N	60	120	3.2		75	4597	2133	110	20	Y

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDV08N090LS	TO-263	N	80	86	9	11	36.3	1788	603	34	20	
VDV10N045LS	TO-263	N	100	78	4.5	6.3	75	3742	698	34	20	
VDV10N045LSA	TO-263	N	100	78	4.5	6.3	75	3742	698	34	20	Y
VDV10N037LSA	TO-263	N	100	202	3.7	5.7	96	4748	788	46	20	Y
VDV10N020LSA	TO-263	N	100	120	2		243	13416	2090	143	20	Y
VDV12N075LS	TO-263	N	120	82	7.5	8.8	71.4	3606	598	34	20	
VDV12N075LSA	TO-263	N	120	82	7.5	8.8	71.4	3606	598	34	20	Y
VTV15N065S	TO-263	N	150	76	6.5	8	145	9434	608	34	25	
VTV20N250S	TO-263	N	200	64	25		72	4077	240	22	30	
VTV04P074SS	TO-263	P	-40	-70	7.4		105	7475	555	329	20	
VTV04P074SSA	TO-263	P	-40	-70	7.4		105	7475	555	329	20	Y
VTV03P055LS	TO-263	P	-30	-100	5.5	7	146	8000	802	630	20	
VTV03P055LSA	TO-263	P	-30	-100	5.5	7	146	8000	802	630	20	Y
VDV04N006LSA	TO-263-7L	N	40	150	0.6	1.22	232	13785	1026	303	20	Y
VTV10N012SA	TO-263-7L	N	100	300	1.2		216	13419	2064	180	20	Y
VDG04N009LSA	TOLL-8L	N	40	400	0.9		122	7248	2978	136	20	Y
VDG04N005LSA	TOLL-8L	N	40	400	0.58	0.98	200	10505	3829	80	20	Y
VDG04N004LSA	TOLL-8L	N	40	400	0.4		226	13066	6081	252	20	Y
VDG06N007LSA	TOLL-8L	N	60	400	0.75		274	17306	4764	2000	20	Y
VDG08N015LS	TOLL-8L	N	80	300	1.5		264	12978	4470	192	20	
VDG08N015LSA	TOLL-8L	N	80	300	1.5		264	12978	4470	192	20	Y
VDG08N009LSA	TOLL-8L	N	80	500	0.9		338	20427	2566	611	20	Y
VDG10N035LSA	TOLL-8L	N	100	200	3.5		92	5349	786	10	20	Y
VDG10N015LSA	TOLL-8L	N	100	324	1.5		173	9790	1700	104	20	Y
VDG10N014LS	TOLL-8L	N	100	300	1.4		161	10622	3506	226	20	
VDG10N014LSA	TOLL-8L	N	100	300	1.4		161	10622	3506	226	20	Y
VTG10N014SA	TOLL-8L	N	100	300	1.4		233	13574	2036	196	20	Y
VDG10N012LSA	TOLL-8L	N	100	300	1.25	2	242	12023	2071	89	20	Y
VDG12N034LSA	TOLL-8L	N	120	211	3.4		157	9116	1041	69	20	Y
VDG15N053LSA	TOLL-8L	N	150	170	5.3		158	9320	570	60	25	Y
VDG15N048LSA	TOLL-8L	N	150	164	4.8		140	8875	601	12	20	Y

Mid. - Low Voltage MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	Q_g Typ. @10V (nC)	C_{iss} Typ. (pF)	C_{oss} Typ. (pF)	C_{rss} Typ. (pF)	V_{GS} (±V)	AEC-Q
VDG15N038LSA	TOLL-8L	N	150	234	3.8		211	11947	765	99	20	Y
VDG20N070LSA	TOLL-8L	N	200	114	7.7		186	11636	468	38	20	Y

Power Bipolar Transistor

Part No.	Package	Polarity	Configuration	P_{tot} (W)	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	T_j (°C)	AEC-Q
BCP56-10	SOT-223	NPN	Single	1	100	80	5	1000	63	160	150	
BCP56-10A	SOT-223	NPN	Single	1	100	80	5	1000	63	160	150	Y
BCP56-16	SOT-223	NPN	Single	1	100	80	5	1000	100	250	150	
BCP56-16A	SOT-223	NPN	Single	1	100	80	5	1000	100	250	150	Y
BCP68A	SOT-223	NPN	Single	1	32	20	5	2	50		150	Y
2N5551SQ	SOT-223	NPN	Single	2	180	160	6	600	80		150	
VBQ20N6	SOT-223	NPN	Single	2	200	100	7	6000	100		150	
BCP53-10A	SOT-223	PNP	Single	1	-100	80	-5	1	63	160	150	Y
BCP53-16A	SOT-223	PNP	Single	1	-100	80	-5	1	100	250	150	Y
BCX56-10A	SOT-89	NPN	Single	0.5	100	80	5	1000	63	160	150	Y
BCX56-16A	SOT-89	NPN	Single	0.5	100	80	5	1000	100	250	150	Y
VBR10N3	TO-252	NPN	Single	1	100	100	5	3000	25		150	
VBR10N3A	TO-252	NPN	Single	1	100	100	5	3000	25		150	Y
MJD127R	TO-252	PNP	Single	20	-100	-100	-5	-8	1000	12000	150	
2SB1204R	TO-252	PNP	Single	25	-60	-50	-6	-8	70	140	150	
TIP137R	TO-252	PNP	Single	25	-100	-100	-5	-8	1000	15000	150	
2SB2955R	TO-252	PNP	Single	54	-70	-60	-5	-10	20	100	150	

Silicon Carbide (SiC) Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	Q_C (nC)	T_j (˚C)
VCAT4S65	ITO-220AC	4	650	39	1.37	50	12	175
VCCT4S65	TO-220AC	4	650	32	1.37	50	13	175
VCCT6S65	TO-220AC	6	650	32	1.6	50	12	175
VCR6S65	TO-252	6	650	39	1.5	50	12	175
VCR6S120	TO-252	6	1200	48	1.7	60	33	175
VCAT8S65	ITO-220AC	8	650	75	1.39	60	23	175
VCCT8S65	TO-220AC	8	650	76	1.39	60	23	175
VCCT10S65	TO-220AC	10	650	92	1.37	60	30	175
VCPT10S65	TO-247AC	10	650	92	1.37	60	30	175
VCPT20S65	TO-247AC	20	650	170	1.35	100	62	175
VCPT30S65	TO-247AC	30	650	234	1.42	100	87	175

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
SS14	SMA	1	40	40	0.5	0.5	125	Y
SS16	SMA	1	60	40	0.7	0.5	125	Y
SS110	SMA	1	100	40	0.85	1	150	Y
SS115	SMA	1	150	40	0.9	1	150	Y
SS120	SMA	1	200	40	0.9	1	150	Y
SDB12AF	SMAF	1	20	40	0.55	0.3	125	
SDB14AF	SMAF	1	40	40	0.55	0.3	125	
SDB16AF	SMAF	1	60	40	0.7	0.3	125	
SDB110AF	SMAF	1	100	30	0.85	0.2	125	
SDB110AFA	SMAF	1	100	40	0.85	200	125	Y
SDB115AF	SMAF	1	150	30	0.9	0.1	125	
SDB120AF	SMAF	1	200	30	0.9	0.1	125	
SDB12FW	SOD-123FL	1	20	30	0.55	100	125	
SDB12FWA	SOD-123FL	1	20	30	0.55	100	125	Y
SDB14FW	SOD-123FL	1	40	30	0.55	100	125	
SDB14FWA	SOD-123FL	1	40	40	0.53	30	150	Y
SS14FL	SOD-123FL	1	40	30	0.55	100	125	Y
SDB16FW	SOD-123FL	1	60	30	0.7	100	125	
SDB16FWA	SOD-123FL	1	60	30	0.7	100	125	Y
SS16FL	SOD-123FL	1	60	30	0.7	100	150	Y
SDB18FW	SOD-123FL	1	80	30	0.85	100	125	
SDB110FW	SOD-123FL	1	100	30	0.85	100	125	
SDB110LFWA	SOD-123FL	1	100	50	0.76	40	150	Y
SS110FL	SOD-123FL	1	100	30	0.8	10	150	Y
SDB115FW	SOD-123FL	1	150	30	0.85	2	125	
SS115FL	SOD-123FL	1	150	30	0.95	10	150	Y
SDB120FW	SOD-123FL	1	200	30	0.85	2	125	
SDB12HC	SOD-123HE	1	20	30	0.55	100	150	
SDB14HC	SOD-123HE	1	40	30	0.55	100	150	
SDB16HC	SOD-123HE	1	60	30	0.7	100	150	
SDB16HCA	SOD-123HE	1	60	40	0.67	100	125	Y

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
SDB18HC	SOD-123HE	1	80	30	0.85	100	150	
SDB110HC	SOD-123HE	1	100	30	0.85	100	150	
SDB115HC	SOD-123HE	1	150	30	0.85	2	150	
SDB120HC	SOD-123HE	1	200	30	0.85	2	150	
SDB120HCA	SOD-123HE	1	200	40	0.85	2	125	Y
1N5817HT	SOD-323HE	1	20	25	0.45	0.5	125	
1N5818HT	SOD-323HE	1	30	25	0.55	0.5	125	
1N5819HT	SOD-323HE	1	40	25	0.6	0.5	125	
SBD14HTA	SOD-323HE	1	40	25	0.52	100	150	Y
SDB16HT	SOD-323HE	1	60	22	0.45	5	150	
SDB16HTA	SOD-323HE	1	60	22	0.45	5	150	Y
SR204	DO-15	2	40	50	0.55	0.2	150	Y
SR206	DO-15	2	60	50	0.7	0.2	150	Y
SR210	DO-15	2	100	50	0.85	0.2	150	Y
SK24A	SMA	2	40	50	0.5	0.5	150	Y
SK26A	SMA	2	60	50	0.7	0.5	150	Y
SK210A	SMA	2	100	50	0.85	1	175	Y
SK215A	SMA	2	150	50	0.9	1	175	Y
SK220A	SMA	2	200	50	0.9	1	175	Y
SDB210AF	SMAF	2	100	50	0.8	300	175	
SDB210AFA	SMAF	2	100	50	0.8	300	175	Y
SS24	SMB	2	40	50	0.5	100	150	Y
SS26	SMB	2	60	50	0.7	100	150	Y
SS210	SMB	2	100	50	0.85	50	150	Y
SS215	SMB	2	150	50	0.9	50	150	Y
SS220	SMB	2	200	50	0.9	50	150	Y
SDB23FWA	SOD-123FL	2	30	55	0.45	50	150	Y
SDB24FWA	SOD-123FL	2	40	50	0.55	0.1	125	Y
SDB26FWA	SOD-123FL	2	60	50	0.7	0.1	150	Y
SDB28FWA	SOD-123FL	2	80	50	0.85	0.1	150	Y
SDB210FWA	SOD-123FL	2	100	50	0.85	0.1	150	Y

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
SDB212FWA	SOD-123FL	2	120	50	0.9	0.03	150	Y
SDB24HC	SOD-123HE	2	40	50	0.55	500	125	
SDB24HCA	SOD-123HE	2	40	50	0.55	500	125	Y
SDB26HC	SOD-123HE	2	60	50	0.7	500	150	
SDB26HCA	SOD-123HE	2	60	50	0.7	500	150	Y
SDB210HC	SOD-123HE	2	100	50	0.8	500	150	
SDB210HCA	SOD-123HE	2	100	50	0.8	500	150	Y
SDB23HTA	SOD-323HE	2	30	30	0.45	50	125	Y
SR304	DO-201	3	40	80	0.55	0.2	150	Y
SR306	DO-201	3	60	80	0.7	0.2	150	Y
SR310	DO-201	3	100	80	0.85	0.2	150	Y
SK34A	SMA	3	40	70	0.55	100	150	Y
SK34LA	SMA	3	40	60	0.45	500	150	Y
SK36A	SMA	3	60	70	0.7	100	150	Y
SK36LA	SMA	3	60	60	0.5	500	150	Y
SK310A	SMA	3	100	70	0.85	50	175	Y
SK310LA	SMA	3	100	60	0.6	500	150	Y
SK315A	SMA	3	150	70	0.9	50	175	Y
SK320A	SMA	3	200	70	0.9	50	175	Y
SDB340AF	SMAF	3	40	80	0.55	0.5	125	
SDB03U60S	SMAF	3	60	80	0.53	200	150	
SDB03U60SA	SMAF	3	60	80	0.53	200	150	Y
SDB360AF	SMAF	3	60	80	0.7	0.5	125	
SDB36AF	SMAF	3	60	125	0.63	30	150	
SDB380AF	SMAF	3	80	80	0.85	0.3	125	
SDB3100AF	SMAF	3	100	80	0.85	0.3	125	
SDB3100AFA	SMAF	3	100	80	0.85	0.3	125	Y
SDB3120AF	SMAF	3	120	80	0.85	0.3	125	
SDB3150AF	SMAF	3	150	80	0.95	0.3	125	
SDB3200AF	SMAF	3	200	100	0.95	0.3	125	
SDB3200AFA	SMAF	3	200	100	0.95	0.3	125	Y

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
SS34B	SMB	3	40	70	0.5	500	150	Y
SS36B	SMB	3	60	70	0.7	500	175	Y
SS310B	SMB	3	100	70	0.85	100	175	Y
SS34	SMC	3	40	70	0.5	0.5	125	Y
SS36	SMC	3	60	70	0.7	0.5	150	Y
SS310	SMC	3	100	70	0.85	1	150	Y
SS315	SMC	3	150	70	0.9	1	150	Y
SS320	SMC	3	200	70	0.9	1	150	Y
SDB34HC	SOD-123HE	3	40	80	0.55	50	150	
SDB35HC	SOD-123HE	3	45	80	0.55	50	150	
SDB36HC	SOD-123HE	3	60	80	0.65	50	150	
SDB36HCA	SOD-123HE	3	60	80	0.65	50	125	Y
SDB38HC	SOD-123HE	3	80	80	0.85	50	150	
SDB310HC	SOD-123HE	3	100	80	0.85	50	150	
SDB315HC	SOD-123HE	3	150	80	0.9	50	150	
SDB320HC	SOD-123HE	3	200	80	0.9	50	150	
SR504	DO-201	5	40	120	0.55	0.2	150	Y
SR506	DO-201	5	60	120	0.7	0.2	150	Y
SR510	DO-201	5	100	120	0.85	0.2	150	Y
SDB54AF	SMAF	5	40	150	0.55	1000	150	
SDB56AF	SMAF	5	60	150	0.7	1000	150	
SDB58AF	SMAF	5	80	150	0.85	1000	150	
SDB510AF	SMAF	5	100	150	0.85	1000	150	
SDB512AF	SMAF	5	120	150	0.85	1000	150	
SDB515AF	SMAF	5	150	150	0.85	1000	150	
SDB520AF	SMAF	5	200	150	0.85	1000	150	
SK53B	SMB	5	30	100	0.55	1000	150	Y
SK54B	SMB	5	40	100	0.6	1000	150	Y
SK56B	SMB	5	60	100	0.7	1000	150	Y
SK510B	SMB	5	100	100	0.85	1000	175	Y
SK515B	SMB	5	150	100	0.9	1000	175	Y

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
SK520B	SMB	5	200	100	0.9	1000	175	Y
SK54C	SMC	5	40	150	0.6	100	125	Y
SK56C	SMC	5	60	150	0.7	100	150	Y
SK510C	SMC	5	100	150	0.85	100	150	Y
SK515C	SMC	5	150	150	0.9	100	150	Y
SK520C	SMC	5	200	150	0.9	100	150	Y
SS84	SMC	8	40	150	0.6	1000	150	Y
SS86	SMC	8	60	150	0.7	1000	150	Y
SS810	SMC	8	100	150	0.85	1000	150	Y
SS815	SMC	8	150	150	0.9	1000	150	Y
SS820	SMC	8	200	150	0.9	1000	150	Y
MBRF1040CT	ITO-220AB	10	40	120	0.55	150	150	
MBRF1060CT	ITO-220AB	10	60	120	0.75	150	150	
MBRF10100CT	ITO-220AB	10	100	120	0.85	150	150	
MBRF10150CT	ITO-220AB	10	150	120	0.95	150	150	
MBRF10200CT	ITO-220AB	10	200	120	0.95	150	150	
MBRF1040	ITO-220AC	10	40	150	0.55	150	150	Y
MBRF1060	ITO-220AC	10	60	150	0.75	150	150	Y
MBRF10100	ITO-220AC	10	100	150	0.85	150	150	Y
MBRF10150	ITO-220AC	10	150	150	0.95	150	150	Y
MBRF10200	ITO-220AC	10	200	150	0.95	150	150	Y
MBR10100CT	TO-220FB	10	100	100	0.85	100	150	Y
MBR10150CT	TO-220FB	10	150	100	0.9	100	150	Y
MBR10200CT	TO-220FB	10	200	100	0.95	100	150	Y
MBRF2040CT	ITO-220AB	20	40	120	0.55	150	150	
MBRF2060CT	ITO-220AB	20	60	120	0.75	150	150	
MBRF20100CT	ITO-220AB	20	100	120	0.85	150	150	
MBRF20150CT	ITO-220AB	20	150	120	0.95	150	150	
MBRF20200CT	ITO-220AB	20	200	120	0.95	150	150	
MBR20100CT	TO-220FB	20	100	150	0.8	50	150	Y
MBR20150CT	TO-220FB	20	150	150	0.9	50	150	Y

Power Schottky

Part No.	Package	I_F (A)	V_{BR} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (˚C)	AEC-Q
MBR20200CT	TO-220FB	20	200	150	0.95	50	150	Y

General Purpose Diode

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
1N4003G	DO-41	1	200	30	1.1	2	150	Y
1N4004G	DO-41	1	400	30	1.1	2	150	Y
1N4005G	DO-41	1	600	30	1.1	2	150	Y
1N4007G	DO-41	1	1000	30	1.1	2	150	Y
S1D	SMA	1	200	30	1.1	10	175	Y
S1G	SMA	1	400	30	1.1	10	175	Y
S1J	SMA	1	600	30	1.1	10	175	Y
S1M	SMA	1	1000	30	1.1	10	175	Y
S1Q	SMA	1	1200	25	1.2	5	175	Y
S1Y	SMA	1	1600	35	1.1	5	150	Y
S1DFL	SOD-123FL	1	200	30	1.1	2	175	Y
S1GFL	SOD-123FL	1	400	30	1.1	2	175	Y
S1JFL	SOD-123FL	1	600	30	1.1	2	175	Y
S1MFL	SOD-123FL	1	1000	30	1.1	2	175	Y
S1DHC	SOD-123HE	1	200	30	1.1	5	150	Y
S1GHC	SOD-123HE	1	400	30	1.1	5	150	Y
S1JHC	SOD-123HE	1	600	30	1.1	5	150	Y
S1MHC	SOD-123HE	1	1000	30	1.1	5	150	Y
RL203G	DO-15	2	200	70	1.1	2	150	Y
RL204G	DO-15	2	400	70	1.1	2	150	Y
RL205G	DO-15	2	600	70	1.1	2	150	Y
RL206G	DO-15	2	800	70	1.1	2	150	Y
RL207G	DO-15	2	1000	70	1.1	2	150	Y
S2DA	SMA	2	200	50	1.15	5	150	Y
S2GA	SMA	2	400	50	1.15	5	150	Y
S2JA	SMA	2	600	50	1.15	5	150	Y
S2MA	SMA	2	1000	50	1.15	5	150	Y
S2D	SMB	2	200	50	1.15	5	175	Y
S2G	SMB	2	400	50	1.15	5	175	Y
S2J	SMB	2	600	50	1.15	5	175	Y
S2M	SMB	2	1000	50	1.15	5	175	Y

General Purpose Diode

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
S2Y	SMB	2	1600	35	1.2	5	150	Y
1N5404G	DO-201	3	400	125	1.1	2	150	Y
1N5406G	DO-201	3	600	125	1.1	2	150	Y
1N5407G	DO-201	3	800	125	1.1	2	150	Y
1N5408G	DO-201	3	1000	125	1.1	2	150	Y
S3DB	SMB	3	200	100	1	5	175	Y
S3GB	SMB	3	400	100	1	5	175	Y
S3JB	SMB	3	600	100	1	5	175	Y
S3MB	SMB	3	1000	100	1	5	175	Y
RS3D	SMC	3	200	100	1.3	10	150	Y
S3D	SMC	3	200	125	0.98	10	175	Y
RS3G	SMC	3	400	100	1.3	10	150	Y
S3G	SMC	3	400	125	0.98	10	175	Y
RS3J	SMC	3	600	100	1.3	10	150	Y
S3J	SMC	3	600	125	0.98	10	175	Y
RS3M	SMC	3	1000	100	1.3	10	150	Y
S3M	SMC	3	1000	125	0.98	10	175	Y
S5DB	SMB	5	200	175	1	5	150	Y
S5GB	SMB	5	400	175	1	5	150	Y
S5JB	SMB	5	600	175	1	5	150	Y
S5MB	SMB	5	1000	175	1	5	150	Y
S5D	SMC	5	200	150	1.15	10	175	Y
S5G	SMC	5	400	150	1.15	10	175	Y
S5J	SMC	5	600	150	1.15	10	175	Y
S5M	SMC	5	1000	150	1.15	10	175	Y
S8D	SMC	8	200	450	1	5	175	Y
S8G	SMC	8	400	450	1	5	175	Y
S8J	SMC	8	600	450	1	5	175	Y
S8M	SMC	8	1000	450	1	5	175	Y
VR30160SP	TO-247AC	30	1600	500	1.25	10	150	Y
VR45160SP	TO-247AC	45	1600	600	1.3	10	150	Y

Fast Recovery Diode

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_{rr} (ns)	T_j (˚C)	AEC-Q
UGF8JS	ITO-220AC	8	600	80	3.2	5	15	150	Y
MUR420	DO-201	4	200	125	0.89	5	20	150	Y
UGF8J	ITO-220AC	10	600	90	2	5	25	150	Y
SF14G	DO-41	1	400	30	0.95	5	35	150	Y
SF16G	DO-41	1	600	30	1.3	5	35	150	Y
SF18G	DO-41	1	1000	30	1.7	5	35	150	Y
ES1D	SMA	1	200	30	0.95	5	35	175	Y
ES1G	SMA	1	400	30	1.3	5	35	175	Y
ES1J	SMA	1	600	30	1.7	5	35	175	Y
ES1DFL	SOD-123FL	1	200	30	0.95	5	35	175	Y
ES1GFL	SOD-123FL	1	400	30	1.3	5	35	175	Y
ES1JFL	SOD-123FL	1	600	30	1.7	5	35	175	Y
ES2DA	SMA	2	200	50	0.95	5	35	175	Y
ES2GA	SMA	2	400	50	1.3	5	35	175	Y
ES2JA	SMA	2	600	50	1.7	5	35	175	Y
ES2D	SMB	2	200	50	0.95	5	35	175	Y
ES2G	SMB	2	400	50	1.3	5	35	175	Y
ES2J	SMB	2	600	50	1.7	5	35	175	Y
ES2DFL	SOD-123FL	2	200	10	1	5	35	175	Y
ES2GFL	SOD-123FL	2	400	10	1.3	5	35	175	Y
ES2JFL	SOD-123FL	2	600	10	1.7	5	35	175	Y
SF34G	DO-201	3	200	125	0.95	5	35	150	Y
SF36G	DO-201	3	400	125	1.3	5	35	150	Y
SF38G	DO-201	3	600	125	1.7	5	35	150	Y
ES3DB	SMB	3	200	90	0.95	10	35	175	Y
ES3GB	SMB	3	400	90	1.3	10	35	175	Y
ES3JB	SMB	3	600	90	1.7	10	35	175	Y
ES3D	SMC	3	200	100	0.95	10	35	175	Y
ES3G	SMC	3	400	100	1.3	10	35	175	Y
ES3J	SMC	3	600	100	1.7	10	35	175	Y
SF54G	DO-201	5	200	150	0.95	5	35	150	Y

Fast Recovery Diode

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_{rr} (ns)	T_j (°C)	AEC-Q
SF56G	DO-201	5	400	150	1.3	5	35	150	Y
SF58G	DO-201	5	600	150	1.7	5	35	150	Y
MURF820	ITO-220AC	8	200	125	0.95	10	35	150	Y
SFF1004G	ITO-220AB	10	200	150	0.975	10	35	150	Y
SFF1006G	ITO-220AB	10	400	150	1.3	10	35	150	Y
SFF1008G	ITO-220AB	10	600	120	1.7	10	35	150	Y
MUR1620CT	TO-220FB	16	200	100	0.95	10	35	150	Y
SFF2004G	ITO-220AB	20	200	125	1.05		35	150	
SFF2006G	ITO-220AB	20	400	125	1.35		35	150	
SFF2008G	ITO-220AB	20	600	125	2.7		35	150	
SF3008PT	TO-247AD	30	600	300	1.7	10	35	150	
HER103G	DO-41	1	200	30	1	2	50	150	Y
HER105G	DO-41	1	400	30	1.3	2	50	150	Y
HS1D	SMA	1	200	30	1	5	50	175	Y
HS1G	SMA	1	400	30	1.3	5	50	175	Y
HS1DFL	SOD-123FL	1	200	30	1	5	50	175	Y
HS1GFL	SOD-123FL	1	400	30	1	5	50	175	Y
HS2D	SMB	2	200	50	1	5	50	175	Y
HS2G	SMB	2	400	50	1.3	5	50	175	Y
HS3DB	SMB	3	200	100	1	10	50	175	Y
HS3GB	SMB	3	400	100	1.3	10	50	175	Y
MUR440	DO-201	4	400	125	1.3	5	50	150	Y
MUR460	DO-201	4	600	125	1.3	5	50	150	Y
MURF840	ITO-220AC	8	400	125	1.25	10	50	150	Y
MURF860	ITO-220AC	8	600	125	1.7	10	50	150	Y
MURF1060	ITO-220AC	10	600	150	15	5	50	150	Y
MUR1640CT	TO-220FB	16	200	100	0.95	10	50	150	Y
MUR1660CT	TO-220FB	16	600	100	1.7	10	50	150	Y
FRF10JA	ITO-220AC	10	600	300	1.3	5	59	150	Y
HER106G	DO-41	1	600	30	1.7	2	75	150	Y
HER108G	DO-41	1	1000	30	1.7	2	75	150	Y

Fast Recovery Diode

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_{rr} (ns)	T_j (˚C)	AEC-Q
HS1J	SMA	1	600	30	1.3	5	75	175	Y
HS1M	SMA	1	1000	30	1.7	5	75	175	Y
HS1Q	SMA	1	1200	25	1.7	5	75	175	Y
HS1JFL	SOD-123FL	1	600	30	1.7	5	75	175	Y
HS1MFL	SOD-123FL	1	1000	30	1.7	5	75	175	Y
HS2J	SMB	2	600	50	1.7	5	75	175	Y
HS2M	SMB	2	1000	50	1.7	5	75	175	Y
HS3JB	SMB	3	600	100	1.7	10	75	175	Y
HS3MB	SMB	3	1000	100	1.7	10	75	175	Y
HS1Y	SMA	1	1600	10	2.5	1	95	150	Y
FR103G	DO-41	1	200	30	1.1	2	150	150	Y
FR104G	DO-41	1	400	30	1.1	2	150	150	Y
RS1D	SMA	1	200	30	1.3		150	175	Y
RS1G	SMA	1	400	30	1.3		150	175	Y
RS1DFL	SOD-123FL	1	200	30	1.3	5	150	175	Y
RS1GFL	SOD-123FL	1	400	30	1.3	5	150	175	Y
RS2D	SMB	2	200	50	1.3	5	150	150	Y
RS2G	SMB	2	400	50	1.3	5	150	150	Y
FR303G	DO-201	3	200	125	1.3	2	150	150	Y
FR304G	DO-201	3	400	125	1.3	2	150	150	Y
FR105G	DO-41	1	600	30	1.1	2	250	150	Y
RS1J	SMA	1	600	30	1.3		250	175	Y
RS1JFL	SOD-123FL	1	600	30	1.3	5	250	175	Y
RS2J	SMB	2	600	50	1.3	5	250	150	Y
FR305G	DO-201	3	600	125	1.3	2	250	150	Y
FR107G	DO-41	1	1000	30	1.1	2	500	150	Y
RS1M	SMA	1	1000	30	1.3		500	175	Y
RS1MFL	SOD-123FL	1	1000	30	1.3	5	500	175	Y
RS2M	SMB	2	1000	50	1.3	5	500	150	Y
FR307G	DO-201	3	1000	125	1.3	2	500	150	Y

Bridge Rectifier

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
ABS6	ABS	1	600	30	1	10	150	
ABS6A	ABS	1	600	30	1	10	150	Y
ABS8	ABS	1	800	30	1	10	150	
ABS8A	ABS	1	800	30	1	10	150	Y
ABS10	ABS	1	1000	30	1	10	150	
ABS10A	ABS	1	1000	30	1	10	150	Y
MBS6	MBS	1	600	35	1	5	150	
MBS8	MBS	1	800	35	1	5	150	
MBS10	MBS	1	1000	35	1	5	150	
ABS20J	ABS	2	600	50	1	10	150	
ABS20K	ABS	2	800	50	1	10	150	
ABS20M	ABS	2	1000	50	1	10	150	
KBP306	KBP	3	600	80	1.05	5	150	
KBP308	KBP	3	800	80	1.05	5	150	
KBP310	KBP	3	1000	80	1.05	5	150	
YBS306	YBS	3	600	120	1	5	150	
YBS308	YBS	3	800	120	1	5	150	
YBS310	YBS	3	1000	120	1	5	150	
UR4KB60	D3K	4	600	135	1	10	150	
UR4KB80	D3K	4	800	135	1	10	150	
UR4KB100	D3K	4	1000	135	1	10	150	
GBU406	GBU	4	600	150	1.05	10	150	
GBU408	GBU	4	800	150	1.05	10	150	
GBU410	GBU	4	1000	150	1.05	10	150	
KBJ406	KBJ	4	600	220	1.05	10	150	
KBJ408	KBJ	4	800	220	1.05	10	150	
KBJ410	KBJ	4	1000	220	1.05	10	150	
TBS406	TBS	4	600	120	0.91	5	150	
TBS408	TBS	4	800	120	0.91	5	150	
TBS410	TBS	4	1000	120	0.91	5	150	
YBS406	YBS	4	600	150	1	5	150	

Bridge Rectifier

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
YBS408	YBS	4	800	150	1	5	150	
YBS410	YBS	4	1000	150	1	5	150	
UR6KB60	D3K	6	600	170	1.05	5	150	
UR6KB80	D3K	6	800	170	1.05	5	150	
UR6KB100	D3K	6	1000	170	1.05	5	150	
GBJ606	GBJ	6	600	175	1.05	10	150	
GBJ608	GBJ	6	800	175	1.05	10	150	
GBJ610	GBJ	6	1000	175	1.05	10	150	
GBU606	GBU	6	600	175	1.05	10	150	
GBU608	GBU	6	800	175	1.05	10	150	
GBU610	GBU	6	1000	175	1.05	10	150	
TBS606	TBS	6	600	175	1	5	150	
TBS608	TBS	6	800	175	1	5	150	
TBS610	TBS	6	1000	175	1	5	150	
UR8KB60	D3K	8	600	200	1.1	10	150	
UR8KB80	D3K	8	800	200	1.1	10	150	
UR8KB100	D3K	8	1000	200	1.1	10	150	
GBU806	GBU	8	600	200	1	5	150	
GBU808	GBU	8	800	200	1	5	150	
GBU810	GBU	8	1000	200	1	5	150	
TBS806	TBS	8	600	200	0.87	5	150	
TBS808	TBS	8	800	200	0.87	5	150	
TBS810	TBS	8	1000	200	0.87	5	150	
GBU1006	GBU	10	600	220	1.1	10	150	
GBU1008	GBU	10	800	220	1.1	10	150	
GBU1010	GBU	10	1000	220	1.1	10	150	
KBJ1006	KBJ	10	600	175	1.1	10	150	
KBJ1008	KBJ	10	800	175	1.1	10	150	
KBJ1010	KBJ	10	1000	175	1.1	10	150	
GBJ1506	GBJ	15	600	220	1.1	10	150	
GBJ15L06	GBJ	15	600	300	0.92	5	150	

Bridge Rectifier

Part No.	Package	I_F (A)	V_{RRM} (V)	I_{FSM} (A)	V_F (V)	I_R (μA)	T_j (°C)	AEC-Q
GBJ15UL06	GBJ	15	600	240	0.86	5	150	
GBJ1508	GBJ	15	800	220	1.1	10	150	
GBJ1510	GBJ	15	1000	220	1.1	10	150	
GBU1506	GBU	15	600	250	1.1	10	150	
GBU15L06	GBU	15	600	240	0.92	5	150	
GBU15UL06	GBU	15	600	240	0.86	5	150	
GBU1508	GBU	15	800	250	1.1	10	150	
GBU15L08	GBU	15	800	240	0.92	5	150	
GBU1510	GBU	15	1000	250	1.1	10	150	
GBJ2006	GBJ	20	600	250	1.1	10	150	
GBJ2008	GBJ	20	800	250	1.1	10	150	
GBJ2010	GBJ	20	1000	250	1.1	10	150	
GBJ2506	GBJ	25	600	320	1.1	5	150	
GBJ25L06	GBJ	25	600	400	0.92	5	150	
GBJ25UL06	GBJ	25	600	360	0.86	5	150	
GBJ2508	GBJ	25	800	320	1.1	5	150	
GBJ2510	GBJ	25	1000	320	1.1	5	150	
GBU2506	GBU	25	600	350	1.1	10	150	
GBU25L06	GBU	25	600	360	0.92	5	150	
GBU25UL06	GBU	25	600	360	0.86	5	150	
GBU2508	GBU	25	800	350	1.1	10	150	
GBU25L08	GBU	25	800	360	0.94	5	150	
GBU2510	GBU	25	1000	350	1.1	10	150	
GBJ3506	GBJ	35	600	350	1.1	10	150	
GBJ35UL06	GBJ	35	600	500	0.92	5	150	
GBJ3508	GBJ	35	800	350	1.1	10	150	
GBJ3510	GBJ	35	1000	350	1.1	10	150	
GBJ5006	GBJ	50	600	500	1	10	150	
GBJ5008	GBJ	50	800	500	1	10	150	
GBJ5010	GBJ	50	1000	500	1	10	150	

Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
1SMA4733A	SMA	1	5.1	1	-	Y
1SMA4734A	SMA	1	5.6	2	-	Y
1SMA4735A	SMA	1	6.2	3	-	Y
1SMA4736A	SMA	1	6.8	4	-	Y
1SMA4737A	SMA	1	7.5	5	-	Y
1SMA4738A	SMA	1	8.2	6	-	Y
1SMA4739A	SMA	1	9.1	7	-	Y
1SMA4740A	SMA	1	10	7.6	-	Y
1SMA4741A	SMA	1	11	8.4	414	Y
1SMA4742A	SMA	1	12	9.1	380	Y
1SMA4743A	SMA	1	13	9.9	344	Y
1SMA4744A	SMA	1	15	11.4	304	Y
1SMA4745A	SMA	1	16	12.2	285	Y
1SMA4746A	SMA	1	18	13.7	250	Y
1SMA4747A	SMA	1	20	15.2	225	Y
1SMA4748A	SMA	1	22	16.7	205	Y
1SMA4749A	SMA	1	24	18.2	190	Y
1SMA4750A	SMA	1	27	20.6	170	Y
1SMA4751A	SMA	1	30	22.8	150	Y
1SMA4752A	SMA	1	33	25.1	135	Y
1SMA4753A	SMA	1	36	27.4	125	Y
1SMA4754A	SMA	1	39	29.7	115	Y
1SMA4755A	SMA	1	43	32.7	110	Y
1SMA4756A	SMA	1	47	35.8	95	Y
1SMA4757A	SMA	1	51	38.8	90	Y
1SMA4758A	SMA	1	56	42.6	80	Y
1SMA4759A	SMA	1	62	47.1	70	Y
1SMA4760A	SMA	1	68	51.7	65	Y
1SMA4761A	SMA	1	75	56	60	Y
1SMA4762A	SMA	1	82	62.2	55	Y
1SMA4763A	SMA	1	91	69.2	50	Y

Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
1SMA4764A	SMA	1	100	76	45	Y
1SMA110ZA	SMA	1	110	83.6	-	Y
1SMA120ZA	SMA	1	120	91.2	-	Y
1SMA130ZA	SMA	1	130	98.8	-	Y
1SMA150ZA	SMA	1	150	114	-	Y
1SMA160ZA	SMA	1	160	121.6	-	Y
1SMA180ZA	SMA	1	180	136.8	-	Y
1SMA200ZA	SMA	1	200	152	-	Y
MM1FW5V6B	SOD-123FL	1	5.95	1.5	20	
MM1FW6V2B	SOD-123FL	1	6.6	3	20	
MM1FW10B	SOD-123FL	1	10.6	7	10	
MM1FW11B	SOD-123FL	1	11.65	8	10	
MM1FW12B	SOD-123FL	1	12.75	9	10	
MM1FW13B	SOD-123FL	1	14.15	10	10	
MM1FW15B	SOD-123FL	1	15.6	11	10	
MM1FW16B	SOD-123FL	1	17.25	12	10	
MM1FW18B	SOD-123FL	1	19.15	13	10	
MM1FW20B	SOD-123FL	1	21.2	15	10	
MM1FW22B	SOD-123FL	1	23.25	17	10	
MM1FW24B	SOD-123FL	1	25.8	19	10	
MM1FW27B	SOD-123FL	1	28.9	21	10	
MM1FW30B	SOD-123FL	1	32	23	10	
MM1FW33B	SOD-123FL	1	35	25	10	
MM1FW36B	SOD-123FL	1	38	27	10	
SMB3Z3.3A	SMB	3	3.3	1	100	Y
SMB3Z3.6A	SMB	3	3.6	1	100	Y
SMB3Z3.9A	SMB	3	3.9	1	100	Y
SMB3Z4.3A	SMB	3	4.3	1	50	Y
SMB3Z4.7A	SMB	3	4.7	1	50	Y
SMB3Z5.1A	SMB	3	5.1	1	10	Y
SMB3Z5.6A	SMB	3	5.6	2	10	Y

Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
SMB3Z6.2A	SMB	3	6.2	3	10	Y
SMB3Z6.8A	SMB	3	6.8	4	10	Y
SMB3Z7.5A	SMB	3	7.5	5	10	Y
SMB3Z8.2A	SMB	3	8.2	6	10	Y
SMB3Z9.1A	SMB	3	9.1	7	10	Y
SMB3Z10A	SMB	3	10	7.6	10	Y
SMB3Z11A	SMB	3	11	8.4	0.5	Y
SMB3Z12A	SMB	3	12	9.1	0.5	Y
SMB3Z13A	SMB	3	13	9.9	0.5	Y
SMB3Z14A	SMB	3	14	10.6	0.5	Y
SMB3Z15A	SMB	3	15	11.4	0.5	Y
SMB3Z16A	SMB	3	16	12.2	0.5	Y
SMB3Z17A	SMB	3	17	13	0.5	Y
SMB3Z18A	SMB	3	18	13.7	0.5	Y
SMB3Z19A	SMB	3	19	14.4	0.5	Y
SMB3Z20A	SMB	3	20	15.2	0.5	Y
SMB3Z22A	SMB	3	22	16.7	0.5	Y
SMB3Z24A	SMB	3	24	18.2	0.5	Y
SMB3Z27A	SMB	3	27	20.6	0.5	Y
SMB3Z30A	SMB	3	30	22.5	0.5	Y
SMB3Z33A	SMB	3	33	25.1	0.5	Y
SMB3Z36A	SMB	3	36	27.4	0.5	Y
SMB3Z39A	SMB	3	39	29.7	0.5	Y
SMB3Z43A	SMB	3	43	32.7	0.5	Y
SMB3Z47A	SMB	3	47	35.6	0.5	Y
SMB3Z51A	SMB	3	51	38.8	0.5	Y
SMB3Z56A	SMB	3	56	42.6	0.5	Y
SMB3Z62A	SMB	3	62	47.1	0.5	Y
SMB3Z68A	SMB	3	68	51.7	0.5	Y
SMB3Z75A	SMB	3	75	56	0.5	Y
SMB3Z82A	SMB	3	82	62.2	0.5	Y

Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
SMB3Z91A	SMB	3	91	69.2	0.5	Y
SMB3Z100A	SMB	3	100	76	0.5	Y
SMB3Z110A	SMB	3	110	83.6	0.5	Y
SMB3Z120A	SMB	3	120	91.2	0.5	Y
SMB3Z130A	SMB	3	130	98.8	0.5	Y
SMB3Z140A	SMB	3	140	106.4	0.5	Y
SMB3Z150A	SMB	3	150	114	0.5	Y
SMB3Z160A	SMB	3	160	121.6	0.5	Y
SMB3Z170A	SMB	3	170	130.4	0.5	Y
SMB3Z180A	SMB	3	180	136.8	0.5	Y
SMB3Z190A	SMB	3	190	144.8	0.5	Y
SMB3Z200A	SMB	3	200	152	0.5	Y
SMB3Z210A	SMB	3	210	169	0.5	Y
SMB3Z220A	SMB	3	220	178	0.5	Y
SMB3Z230A	SMB	3	230	186	0.5	Y
SMB3Z240A	SMB	3	240	195	0.5	Y
SMB3Z250A	SMB	3	250	205	0.5	Y
1N5338B	DO-15	5	5.1	1	1	Y
1N5339B	DO-15	5	5.6	2	1	Y
1N5340B	DO-15	5	6	3	1	Y
1N5341B	DO-15	5	6.2	3	1	Y
1N5342B	DO-15	5	6.8	5.2	10	Y
1N5343B	DO-15	5	7.5	5.7	10	Y
1N5344B	DO-15	5	8.2	6.2	10	Y
1N5345B	DO-15	5	8.7	6.6	10	Y
1N5346B	DO-15	5	9.1	6.9	7.5	Y
1N5347B	DO-15	5	10	7.6	5	Y
1N5348B	DO-15	5	11	8.4	5	Y
1N5349B	DO-15	5	12	9.1	2	Y
1N5350B	DO-15	5	13	9.9	1	Y
1N5351B	DO-15	5	14	10.6	1	Y

Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
1N5352B	DO-15	5	15	11.5	1	Y
1N5353B	DO-15	5	16	12.2	1	Y
1N5354B	DO-15	5	17	12.9	0.5	Y
1N5355B	DO-15	5	18	13.7	0.5	Y
1N5356B	DO-15	5	19	14.4	0.5	Y
1N5357B	DO-15	5	20	15.2	0.5	Y
1N5358B	DO-15	5	22	16.7	0.5	Y
1N5359B	DO-15	5	24	18.2	0.5	Y
1N5360B	DO-15	5	25	19	0.5	Y
1N5361B	DO-15	5	27	20.6	0.5	Y
1N5362B	DO-15	5	28	21.2	0.5	Y
1N5363B	DO-15	5	30	22.8	0.5	Y
1N5364B	DO-15	5	33	25.1	0.5	Y
1N5365B	DO-15	5	36	27.4	0.5	Y
1N5366B	DO-15	5	39	29.7	0.5	Y
1N5367B	DO-15	5	43	32.7	0.5	Y
1N5368B	DO-15	5	47	35.8	0.5	Y
1N5369B	DO-15	5	51	38.8	0.5	Y
1N5370B	DO-15	5	56	42.6	0.5	Y
1N5371B	DO-15	5	60	45.5	0.5	Y
1N5372B	DO-15	5	62	47.1	0.5	Y
1N5373B	DO-15	5	68	51.7	0.5	Y
1N5374B	DO-15	5	75	56	0.5	Y
1N5375B	DO-15	5	82	62.2	0.5	Y
1N5376B	DO-15	5	87	66	0.5	Y
1N5377B	DO-15	5	91	69.2	0.5	Y
1N5378B	DO-15	5	100	76	0.5	Y
1N5379B	DO-15	5	110	83.6	0.5	Y
1N5380B	DO-15	5	120	91.2	0.5	Y
1N5381B	DO-15	5	130	98.8	0.5	Y
1N5382B	DO-15	5	140	106	0.5	Y

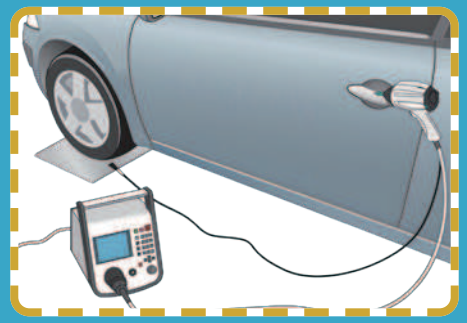
Power Zener

Part No.	Package	P_{tot} (W)	Nom. V_Z @ I_{ZT} (V)	V_R (V)	I_R (µA)	AEC-Q
1N5383B	DO-15	5	150	114	0.5	Y
1N5384B	DO-15	5	160	122	0.5	Y
1N5385B	DO-15	5	170	129	0.5	Y
1N5386B	DO-15	5	180	137	0.5	Y
1N5387B	DO-15	5	190	144	0.5	Y
1N5388B	DO-15	5	200	152	0.5	Y

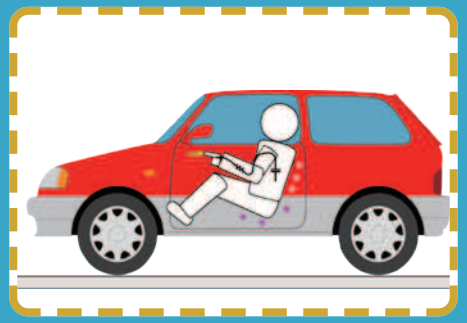
Circuit Protection

Threats of Automotive Electronics – ESD (Transient Wave)

Vehicle Test - Internal Points



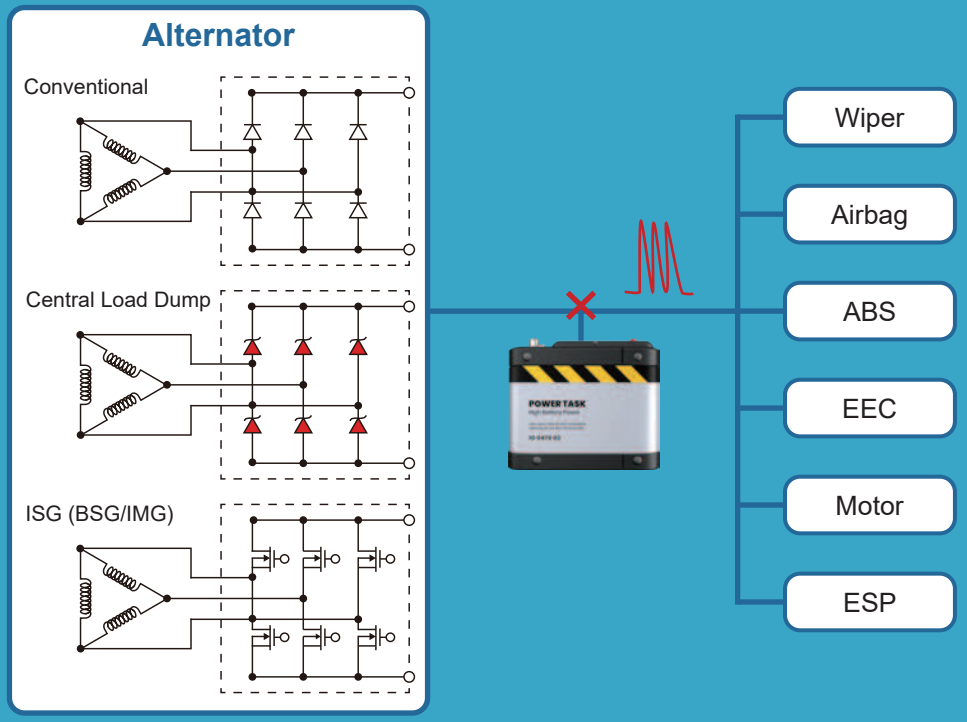
Vehicle Test - External Point

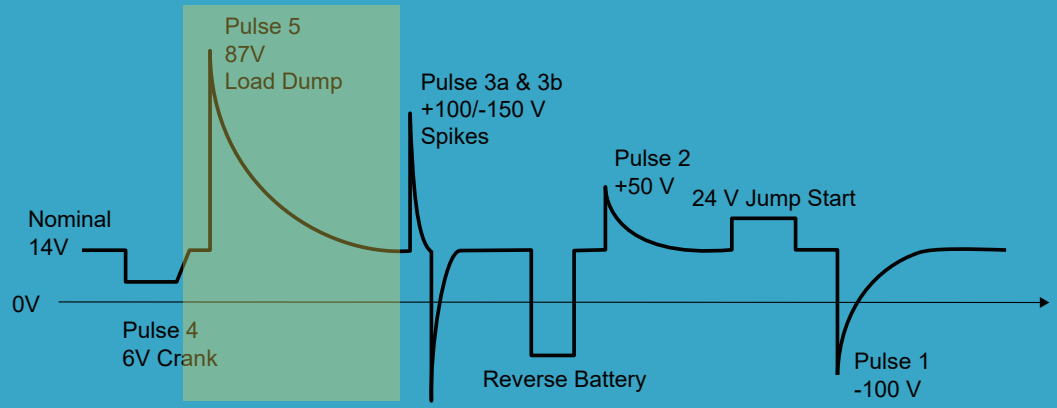


Electrostatic Discharge Path - Inside

Electrostatic Discharge Path - Outside

Threats of Automotive Electronics – Transient Pulse





Pulse	Description
1	Connected directly to an inductive load in parallel
2a	Transient interruption of a device connected in parallel, due to hardness inductance
2b	Transients from DC motor acting as a generator when ignition is switched off
3a / 3b	Switching transients due to distributed inductance and capacitance of hardness
4	Voltage dip due to starter - Motor current during cranking (Excluding spikes)
5	Load Dump

TVS

Part No.	Package	Polarity	Power Rating (W)	V_{WM} (V)	V_{BR} Min. (V)	V_{BR} Max. (V)	V_c (V)	AEC-Q
V2TVS5.0A - V2TVS220A	SOD-123FL	Unidirectional	200	5 - 220	6.4 - 246	7.07 - 272	9.2 - 356	Y
V2TVS5.0CA - V2TVS220CA	SOD-123FL	Bidirectional	200	5 - 220	6.4 - 246	7.07 - 272	9.2 - 356	Y
P4SMA6.8A - P4SMA200A	SMA	Unidirectional	400	5.8 - 171	6.46 - 190	7.14 - 210	10.5 - 274	Y
P4SMA6.8CA - P4SMA200CA	SMA	Bidirectional	400	5.8 - 171	6.46 - 190	7.14 - 210	10.5 - 274	Y
SMAJ5.0A - SMAJ200A	SMA	Unidirectional	400	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
SMAJ5.0CA - SMAJ200CA	SMA	Bidirectional	400	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
P6KE6.8 - P6KE600	DO-15	Unidirectional	600	5.5 - 487.2	6.12 - 540	7.48 - 660	10.8 - 870	Y
P6KE6.8A - P6KE600A	DO-15	Unidirectional	600	5.8 - 513	6.45 - 570	7.14 - 630	10.5 - 833	Y
P6KE6.8C - P6KE600C	DO-15	Bidirectional	600	5.5 - 487.2	6.12 - 540	7.48 - 660	10.8 - 870	Y
P6KE6.8CA - P6KE600CA	DO-15	Bidirectional	600	5.8 - 513	6.45 - 570	7.14 - 630	10.5 - 833	Y
P6SMA6.8A - P6SMA150A	SMA	Unidirectional	600	5.8 - 128	6.46 - 142.5	7.14 - 157.5	10.5 - 207	Y
P6SMA6.8CA - P6SMA150CA	SMA	Bidirectional	600	5.8 - 128	6.46 - 142.5	7.14 - 157.5	10.5 - 207	Y
SMA6F5.0A - SMA6F200A	SMAF	Unidirectional	600	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
SMA6F5.0CA - SMA6F200CA	SMAF	Bidirectional	600	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
P6SMB6.8A - P6SMB200A	SMB	Unidirectional	600	5.8 - 171	6.46 - 190	7.14 - 210	10.5 - 274	Y
P6SMB6.8CA - P6SMB200CA	SMB	Bidirectional	600	5.8 - 171	6.46 - 190	7.14 - 210	10.5 - 274	Y
SMBJ5.0A - SMBJ200A	SMB	Unidirectional	600	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
SMBJ5.0CA - SMBJ200CA	SMB	Bidirectional	600	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
1KSMB6.8A - 1KSMB530A	SMB	Unidirectional	1000	5.8 - 450	6.45 -503	7.14 - 556	10.5 - 725	Y
1KSMB6.8CA - 1KSMB530CA	SMB	Bidirectional	1000	5.8 - 450	6.45 -503	7.14 - 556	10.5 - 725	Y
1.5KE6.8 - 1.5KE440	DO-201	Unidirectional	1500	5.5 - 356	6.12 - 396	7.48 - 484	10.8 - 631	Y
1.5KE6.8A - 1.5KE440A	DO-201	Unidirectional	1500	5.8 - 376	6.45 - 418	7.14 - 462	10.5 - 602	Y
1.5KE6.8C - 1.5KE440C	DO-201	Bidirectional	1500	5.5 - 356	6.12 - 396	7.48 - 484	10.8 - 631	Y
1.5KE6.8CA - 1.5KE440CA	DO-201	Bidirectional	1500	5.8 - 376	6.45 - 418	7.14 - 462	10.5 - 602	Y
1.5SMBJ5.0A - 1.5SMBJ180A	SMB	Unidirectional	1500	5 - 180	6.4 - 201	7 - 222	9.2 - 292	Y
1.5SMBJ5.0CA - 1.5SMBJ180CA	SMB	Bidirectional	1500	5 - 180	6.4 - 201	7 - 222	9.2 - 292	Y
1.5SMC6.8A - 1.5SMC600A	SMC	Unidirectional	1500	5.8 - 513	6.46 - 570	7.14 - 630	10.5 - 828	Y
1.5SMC6.8CA - 1.5SMC600CA	SMC	Bidirectional	1500	5.8 - 513	6.46 - 570	7.14 - 630	10.5 - 828	Y
SMCJ5.0A - SMCJ200A	SMC	Unidirectional	1500	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
SMCJ5.0CA - SMCJ200CA	SMC	Bidirectional	1500	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
3.0SMCJ5.0A - 3.0SMCJ200A	SMC	Unidirectional	3000	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y

TVS

Part No.	Package	Polarity	Power Rating (W)	V_{WM} (V)	V_{BR} Min. (V)	V_{BR} Max. (V)	V_c (V)	AEC-Q
3.0SMCJ5.0CA - 3.0SMCJ200CA	SMC	Bidirectional	3000	5 - 200	6.4 - 224	7 - 247	9.2 - 324	Y
5KP5.0 - 5KP220	P600	Unidirectional	5000	5 - 220	6.4 - 244	7.3 - 296	9.6 - 411.7	Y
5KP5.0A - 5KP220A	P600	Unidirectional	5000	5 - 220	6.4 - 244	7 - 270	9.2 - 371.1	Y
5KP5.0C - 5KP220C	P600	Bidirectional	5000	5 - 220	6.4 - 244	7.3 - 296	9.6 - 411.7	Y
5KP5.0CA - 5KP220CA	P600	Bidirectional	5000	5 - 220	6.4 - 244	7 - 270	9.2 - 371.1	Y
5.0SMDJ12A - 5.0SMDJ170A	SMC	Unidirectional	5000	12 - 170	13.3 - 189	14.7 - 209	19.9 - 275	Y
5.0SMDJ12CA - 5.0SMDJ170CA	SMC	Bidirectional	5000	12 - 170	13.3 - 189	14.7 - 209	19.9 - 275	Y
5.0LDTVS24CA - 5.0LDTVS82CA	TO-263	Bidirectional	5000	24 - 82	22 - 77.8	26 - 86	34 - 113	Y
5.0LDTVS26A - 5.0LDTVS82A	TO-263	Unidirectional	5000	26 - 82	24.4 - 77.8	27 - 86	35.5 - 113	Y
6.0SMDJ13A - 6.0SMDJ85A	SMC	Unidirectional	6000	13 - 85	14.4 - 94.4	15.9 - 104	21.5 - 137	Y
6.0SMDJ13CA - 6.0SMDJ85CA	SMC	Bidirectional	6000	13 - 85	14.4 - 94.4	15.9 - 104	21.5 - 137	Y
SM8S14A - SM8S48A	DO-218	Unidirectional	6600	14 - 48	15.6 - 53.3	17.2 - 58.7	23.2 - 80.6	Y
SM8S14CA - SM8S48CA	DO-218	Bidirectional	6600	14 - 48	15.6 - 53.3	17.2 - 58.7	23.2 - 80.6	Y

ESD Protection

Part No.	Package	Channels	Polarity	V_{RWM} (V)	V_{BR} Min. (V)	C_j Max. (pF)	C_j Typ. (pF)	V_{ESD} Cont (±KV)	V_{ESD} Air (±KV)	P_{PK} (W)	I_{PP} (A)	AEC-Q
ESDBL3382Z	DFN0603	1	Bidirectional	3.3	4	23		30	30	70	8.2	
E5V0VUP1C	DFN0603	1	Unidirectional	5	6.1		0.5	23	25	60	4	
E5V0VUP1C-A	DFN0603	1	Unidirectional	5	6.1		0.5	23	25	60	4	Y
ESDBL0542Z	DFN0603	1	Bidirectional	5	6		12	30	30	42	3.5	
ESDBL0655Z	DFN0603	1	Bidirectional	5.5	6	20		30	30		6	
E5V0LBPD1AA	DFN1006-2B	1	Bidirectional	5	6	7		22	22	30	2.5	
E5V0MUPD1C	DFN1006-2B	1	Unidirectional	5	6		140	30	30	175	13.5	
E5V0MUPD1C-A	DFN1006-2B	1	Unidirectional	5	6		140	30	30	175	13.5	Y
ESDBL5V0BP	DFN1006-2B	1	Bidirectional	5	5.8	15		30	30		2	
ESDBL5V0BP-A	DFN1006-2B	1	Bidirectional	5	5.8	15		30	30		2	Y
E3V3HBPC1A	DFN1006-2H	1	Bidirectional	3.3	3.8		100	30	30	400	40	
E3V3HBPC1A-A	DFN1006-2H	1	Bidirectional	3.3	3.8		100	30	30	400	40	Y
E3V3MUPC1C	DFN1006-2H	1	Unidirectional	3.3	5.2		180	30	30	240	20	
E3V3MUPC1C-A	DFN1006-2H	1	Unidirectional	3.3	5.2		180	30	30	240	20	Y
E5V0UBPC1A	DFN1006-2H	1	Bidirectional	5	6	0.5		23	25	100	4	
E5V0UBPC1A-A	DFN1006-2H	1	Bidirectional	5	6	0.5		23	25	100	4	Y
ESDBL0504PC	DFN1006-2H	1	Bidirectional	5	5.5	20		30	30	80	7	
ESDBL0504PC-A	DFN1006-2H	1	Bidirectional	5	5.5	20		30	30	80	7	Y
ESDU0534HP	DFN1006-2H	1	Unidirectional	5.5	6.2	270		30	30	420	30	
ESDU0534HP-A	DFN1006-2H	1	Unidirectional	5.5	6.2	270		30	30	420	30	Y
ESDUL5V0HP	DFN1006-2H	1	Unidirectional	5.5	6	1.5		8	15		4	
ESDUL5V0HP-A	DFN1006-2H	1	Unidirectional	5.5	6	1.5		8	15		4	Y
ESDU5V6P	DFN1006-2H	1	Unidirectional	5.6	5.3	40		30	30			
ESDU5V6P-A	DFN1006-2H	1	Unidirectional	5.6	5.3	40		30	30			Y
E5V0LBP21A	DFN1608-2HX	1	Bidirectional	5	6	7		22	22	30	2.5	
E5V0LBPM1AA	DFN1610-2H	1	Bidirectional	5	6	7		22	22		2.5	
E24MUPM1C	DFN1610-2H	1	Unidirectional	24	27	220		30	30	1500	30	
E3V3VUPU4DR	DFN2510-10	4	Unidirectional	3.3	5	0.65		15	20		4	
E3V3VUPU4DR-A	DFN2510-10	4	Unidirectional	3.3	5	0.65		15	20		4	Y
E5V0VUPU4G	DFN2510-10	4	Bidirectional	5	6	0.8		20	23		4	
ESDLC0535MP	DFN2510-10	4	Bidirectional	5	6	0.65		10	15	50	3.5	

ESD Protection

Part No.	Package	Channels	Polarity	V_{RWM} (V)	V_{BR} Min. (V)	C_j Max. (pF)	C_j Typ. (pF)	V_{ESD} Cont (±KV)	V_{ESD} Air (±KV)	P_{PK} (W)	I_{PP} (A)	AEC-Q
ESDLC8804MP	DFN2510-10	4	Bidirectional	5	6	0.75		15	15			
ESDLC8008MP	DFN5515-14	8	Unidirectional	3.3	5.5	0.6		20	20	80		
E3V3HUWA1C	SOD-123F	1	Unidirectional	3.3	4	750		30	30		90	
E3V3HUWA1C-A	SOD-123F	1	Unidirectional	3.3	4	750		30	30		90	Y
ESDU3005W	SOD-123F	1	Unidirectional	5	5.6	1.5		30	30		60	
E12MUWA1C	SOD-123F	1	Unidirectional	12	13.3	200		30	30	500	20	
E12MUWA1C-A	SOD-123F	1	Unidirectional	12	13.3	200		30	30	500	20	Y
ESD3Z3V0BWSG	SOD-323	1	Bidirectional	3	3.3	3		8	15	350	20	
E5V0MBWB1A	SOD-323	1	Bidirectional	5	6	200		30	30	350	24	
ESD3B5V0WSG	SOD-323	1	Bidirectional	5	6	200		30	30	350	24	
ESD3B5V0WSGA	SOD-323	1	Bidirectional	5	6	200		30		350	24	Y
ESD3Z5V0BWSG	SOD-323	1	Bidirectional	5	6.1	3		8	15	350	18	
ESD3Z5V0BWSGA	SOD-323	1	Bidirectional	5	6	3		8	15	350	18	Y
ESD3Z8V0BWSG	SOD-323	1	Bidirectional	8	8.6	3		8	15	350	18	
ESD3B1225WS	SOD-323	1	Bidirectional	12	13.3	100		30	30	370	15	
ESD3B12WSG	SOD-323	1	Bidirectional	12	13.3	100		30	30	350	15	
ESD3B12WSGA	SOD-323	1	Bidirectional	12	13.3	100		30	30	350	15	Y
ESD3Z12BWSG	SOD-323	1	Bidirectional	12	13.5	3		8	15	350	12	
ESD3B15WS-A	SOD-323	1	Bidirectional	15	17.1	25		30	30	250	5.5	Y
ESD3B15WSG	SOD-323	1	Bidirectional	15	16.7	75		30	30	350	10	
ESD3B24WSG	SOD-323	1	Bidirectional	24	26.7	50		30	30	350	8	
ESD3B24WSGA	SOD-323	1	Bidirectional	24	26.7		20	30	30	400	8	Y
ESD3Z24BWSG	SOD-323	1	Bidirectional	24	27.27	3		8	15	350	6	
ESD3Z3V0BWS	SOD-323F	1	Bidirectional	3	3.3	3		8	15	350	20	
ESD3B5V0WS	SOD-323F	1	Bidirectional	5	6	200		30	30	350	24	
ESD3Z5V0BWS	SOD-323F	1	Bidirectional	5	6.1	3		8	15	350	18	
ESD6V8WS	SOD-323F	1	Bidirectional	6.8	5.78		30	15	25	10		
ESD6V8WS-A	SOD-323F	1	Bidirectional	6.8	5.78		30	15	25	10		Y
ESD3Z8V0BWS	SOD-323F	1	Bidirectional	8	8.6	3		8	15	350	18	
ESD3B12WS	SOD-323F	1	Bidirectional	12	13.3	100		30	30	350	15	
ESD3Z12BWS	SOD-323F	1	Bidirectional	12	13.5	3		8	15	350	12	

ESD Protection

Part No.	Package	Channels	Polarity	V_{RWM} (V)	V_{BR} Min. (V)	C_j Max. (pF)	C_j Typ. (pF)	V_{ESD} Cont (±KV)	V_{ESD} Air (±KV)	P_{PK} (W)	I_{PP} (A)	AEC-Q
ESD3B15WS	SOD-323F	1	Bidirectional	15	16.7	75		30	30	350	10	
ESD3Z15BWS	SOD-323F	1	Bidirectional	15	17.39	3		8	15	350	10	
ESD3B24WS	SOD-323F	1	Bidirectional	24	26.7	50		30	30	350	8	
ESD3Z24BWS	SOD-323F	1	Bidirectional	24	27.27	3		8	15	350	6	
ESD5Z12	SOD-523	1	Unidirectional	0.01	14.1	55		30	30	175	8	
ESD5Z6V0	SOD-523	1	Unidirectional	0.01	6.8	70		30	30	181	8.8	
ESD5Z7V0	SOD-523	1	Unidirectional	0.01	7.5	65		30	30	200	8.8	
ESD5Z3V3	SOD-523	1	Unidirectional	0.05	5	105		30	30	158	11.2	
E3V3MUWT1C	SOD-523	1	Unidirectional	3.3	5	230		30	30	300	20	
E5V0LBWT1A	SOD-523	1	Bidirectional	5	6	7		22	22	30	2.5	
ESD5Z2V5	SOD-523	1	Unidirectional	6	4	145		30	30	120	11	
ESD6V8WT	SOD-523	1	Bidirectional	6.8	5.78		30	15	25	10		
ESD6V8WT-A	SOD-523	1	Bidirectional	6.8	5.78		30	15	25	10		Y
E5V0SBKA2B	SOT-23	2	Bidirectional	5	5.8	20		30	30	84	6	
E5V0VUKA2C	SOT-23	2	Unidirectional	5	6.5	0.8		23	25	75	5	
E12LBKA2	SOT-23	2	Bidirectional	12	7.5	100		30	30	275	11.5	
ESDBL2105DX	SOT-23	4	Double Bidirectional	24	26.2	30		30	30	350	8	
ESDBL2105DXA	SOT-23	4	Double Bidirectional	24	26.2	30		30	30	350	8	Y
ESDBL24CX-A	SOT-23	1	Bidirectional	24	25.4	16		25	25	200	3	Y
ESDLC0504D	SOT-26	4	Bidirectional	5	6	3		8	15	150	6	
E5V5LUD4P	SOT-26	4	Unidirectional	5.5	6	2	1.25	30	30	200	10	
ESDBL24CXWA	SOT-323	4	Double Bidirectional	24	25.4		16	23	23	200	3	Y
ESDLC0504DW	SOT-363	4	Bidirectional	5	6	3		8	15	150	6	

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
2N7002KHP	DFN1006-3H	N	60	0.3	3000	4000			20	1.75	Y	
VTN3016KSMP	DFN2020-6HMA	N	30	10	12	16			20	1.5	Y	
VTN3016SMPA	DFN2020-6HMA	N	30	10	12	16			20	1.5		Y
VT02N030LS	SOT-23	N	20	5	30	40			20	1.85		
VTN3420BA	SOT-23	N	20	5.47	29	35	48	91	12	0.8		Y
VTN3420	SOT-23	N	20	6	24	27	42	55	12	0.75		
VTN4501	SOT-23	N	20	3.6		80	105		12	0.9		
VTN2302	SOT-23	N	20	3.5		60	115		8	0.925		
VTN205	SOT-23	N	20	3		50	85		12	0.95		
VTN02N023UKA	SOT-23	N	20	6		23	26		12	0.75	Y	Y
VTN02N020UK	SOT-23	N	20	6		20	24	35	12	0.7		
VTN301K	SOT-23	N	25	0.22		4000			8	0.9	Y	
VTN3406	SOT-23	N	30	3.6	65	105			20	1.5		
VTN2304	SOT-23	N	30	3.3	60	75			20	1.1		
VTN2304A	SOT-23	N	30	3.3	60	75			20	1.1		Y
VTN3402	SOT-23	N	30	4	55	70	110		12	1		
VTN3402A	SOT-23	N	30	4	55	70	110		12	1		Y
VTN3422AK	SOT-23	N	30	4.2	42	48	55		12	0.8	Y	
VTN2306	SOT-23	N	30	5	40	45	50		12	0.85		
VTN3400	SOT-23	N	30	5.8	28	33	52		12	1.05		
VTN3400A	SOT-23	N	30	5.8	28	33	52		12	1.05		Y
VKA03N035LS	SOT-23	N	30	5	25	35			20	1.85		
VTN3018K	SOT-23	N	30	0.1		8000	13000		20	1.15	Y	
VTN3324K	SOT-23	N	30	4		56	72	109	12	0.7	Y	
VKA03N025LS	SOT-23	N	30	5.7		25	33		12	0.7	Y	
VTN04N090LKA	SOT-23	N	40	3	72	90			20	1.75		Y
VTN2318	SOT-23	N	40	4.3	42	51			20	1.85		
VTN2318A	SOT-23	N	40	4.3	42	51			20	1.85		Y
VTN138	SOT-23	N	50	0.3	3500	6000			20	1.2		
VTN138AKA	SOT-23	N	50	0.5	1600	2500	4500		20	1.15	Y	Y
VTN138A	SOT-23	N	50	0.2		3500			20	1		

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
VTN506K	SOT-23	N	50	0.3		2000	2500	4000	20	0.745	Y	
2N7002DK	SOT-23	N	60	0.38	3000	4000			20	1.75	Y	
2N7002K	SOT-23	N	60	0.3	3000	4000			20	1.75	Y	
2N7002KA	SOT-23	N	60	0.3	3000	4000			20	1.75	Y	Y
2N7002KA-C	SOT-23	N	60	0.38	3000	4000			20	1.75	Y	Y
2N7002A	SOT-23	N	60	0.28	3000	3000				1.75		Y
2N7002CK	SOT-23	N	60	0.3	2000				20	1.75	Y	
VTN138K	SOT-23	N	60	0.36	1600	2200	6500		20	1.04	Y	
VTN138KA	SOT-23	N	60	0.36	1600	2200	6500		20	1.04	Y	Y
2N7002BK	SOT-23	N	60	0.35	1600				20	1.6	Y	
2N7002BKA	SOT-23	N	60	0.35	1600				20	1.6	Y	Y
VTN2310	SOT-23	N	60	3	90	110			20	1.75		
VTN2310A	SOT-23	N	60	3	90	110			20	1.75		Y
VTN0360K	SOT-23	N	60	3	85	100			20	1.75	Y	
VTN0360KA	SOT-23	N	60	3	85	100			20	1.75	Y	Y
VMKA06N090L	SOT-23	N	60	3	80	90			20	1.85		
VTN3422	SOT-23	N	60	2.1	60	80			20	1.5		
VTN3422A	SOT-23	N	60	2.1	60	80			20	1.5		Y
VTN620K	SOT-23	N	60	0.38		2000	2500	3000	20	0.75	Y	
VTN123	SOT-23	N	100	0.17	6000	10000			20	1.4		
VTN123K	SOT-23	N	100	0.2	6000	10000			20	2	Y	
VTN123KA	SOT-23	N	100	0.2	6000	10000			20	2	Y	Y
VTN1010K	SOT-23	N	100	1	520	560			20	1.75	Y	
VTN10N340LZK	SOT-23	N	100	1	320	340			20	1.75	Y	
VTN10N280LS	SOT-23	N	100	2	280	310			20	1.75		
VTN10N280LSA	SOT-23	N	100	2	280	310			20	1.75		Y
VTN2354	SOT-23	N	100	2	240				20	1.85		
VTN2324	SOT-23	N	100	2	234	278			20	2		
VTN10N155L	SOT-23	N	100	5	145	155			20	1.75		
VTN10P680LS	SOT-23	P	-100	-2	680	760			20	-1.85		
VTP1050	SOT-23	P	-100	-1.2	500	600			20	-2		

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
VTP84	SOT-23	P	-60	-0.13	10000				20	-1.4		
VTP2311	SOT-23	P	-60	-1.8	250	300			20	-2		
VT06P300L	SOT-23	P	-60	-2.5	200	300			20	-2		
VT06P300LA	SOT-23	P	-60	-2.5	200	300			20	-2		Y
VTP5618	SOT-23	P	-60	-1.25	170	230			20	-2		
VTP5618A	SOT-23	P	-60	-1.25	170	230			20	-2		Y
VTKA06P160L	SOT-23	P	-60	-1.5	160	220			20	-2		
VTKA06P160LA	SOT-23	P	-60	-1.5	160	220			20	-2		Y
VT06P100L	SOT-23	P	-60	-3	100	128			20	-1.75		
VTP84KA	SOT-23	P	-60	-0.18		10000			20	-1.45	Y	Y
VTN04P240LKA	SOT-23	P	-40	-2	180	240			20	-1.75		Y
VTP2319S	SOT-23	P	-40	-4.2	97	156			20	-1.75		
VTP2319SA	SOT-23	P	-40	-4.2	97	156			20	-1.75		Y
VTP2319	SOT-23	P	-40	-4.2	80	120			20	-2		
VTP2319A	SOT-23	P	-40	-4.2	80	120			20	-2		Y
VT03P160L	SOT-23	P	-30	-2.6	90	160			20	-1.5		
VT03P160LA	SOT-23	P	-30	-2.6	90	160			20	-1.5		Y
VTP3409A	SOT-23	P	-30	-2.6	90	160			20	-1.5		Y
VTP2307	SOT-23	P	-30	-2.7	88	138			20	-2		
VT03P072LS	SOT-23	P	-30	-3.9	72	110			20	-1.75		
VT03P071LKA	SOT-23	P	-30	-1	71	205			20	-1.75		Y
VTP3098	SOT-23	P	-30	-3.8	70	120			20	-1.55		
VTP3098A	SOT-23	P	-30	-3.8	70	120			20	-1.55		Y
VTP3407	SOT-23	P	-30	-4.1	58	85			20	-2		
VTP3407A	SOT-23	P	-30	-4.1	58	85			20	-2		Y
VTP3407A-A	SOT-23	P	-30	-4.1	55	68			20	-1.75		Y
VTP3401	SOT-23	P	-30	-4	50	60	85		12	-1.05		
VTP3401A	SOT-23	P	-30	-4	50	60	85		12	-1.05		Y
VTP2343	SOT-23	P	-30	-5.9	45	75			20	-1.85		
VT03P055LS	SOT-23	P	-30	-5.8	35	55			20	-1.75		
VKA03P2K5UK	SOT-23	P	-30	-0.36		2.5	2.9	5	10	-0.7	Y	

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
VTP3419K	SOT-23	P	-20	-3.5	85	102	140	168	12	-0.85	Y	
VTP3419AK	SOT-23	P	-20	-4	60	70	96	180	12	-0.85	Y	
VTP2305	SOT-23	P	-20	-4.2	53	65	100	250	12	-0.85		
VTP2301A	SOT-23	P	-20	-2.8		100	150		10	-0.65		Y
VTP2301B	SOT-23	P	-20	-2.8		100	150		8	-0.65		
VTP65	SOT-23	P	-20	-3.2		76	112		10	-0.65		
VTP6402	SOT-23	P	-20	-3.7		65	135		12	-0.8		
VTP2321	SOT-23	P	-20	-3.8		55	80		12	-0.7		
VTP2321A	SOT-23	P	-20	-3.8		55	80		12	-0.7		Y
VKA02P050US	SOT-23	P	-20	-3.5		50	65		12	-0.7		
VTN02P047U	SOT-23	P	-20	-4		47	63	90	12	-0.7		
VTN02P047UA	SOT-23	P	-20	-4		47	63	90	12	-0.7		Y
VKA02P041UK	SOT-23	P	-20	-5		41	53	75	8	-0.6	Y	
VKA02P041UKA	SOT-23	P	-20	-5		41	53	75	8	-0.6	Y	Y
VTP3415KA	SOT-23	P	-20	-5		41	53	66	8	-0.6	Y	Y
VTP2035AK	SOT-23	P	-20	-4.9		35	45	62	10	-0.7	Y	
VTN02P028U	SOT-23	P	-20	-5		28	38	50	12	-0.7		
VTP6401	SOT-23	P	-12	-4.3		50	85	125	10	-0.675		
VTP6401A	SOT-23	P	-12	-4.3		50	85	125	10	-0.675		Y
VTP2333A	SOT-23	P	-12	-5.1		35	45	59	8	-0.7		Y
VTN06N090L	SOT-26	N	60	3	80	90			20	1.85		
VTN6040DA	SOT-26	N	60	5	44	65			20	2		Y
VTN10N130LK	SOT-26	N	100	5	130	160			20	1.75	Y	
VTP5614D	SOT-26	P	-60	-3	105	135			20	-1.85		
VTP5614DA	SOT-26	P	-60	-3	105	135			20	-1.85		Y
VT03P065DLS	SOT-26	P	-30	-5	45	65			20	-1.55		
VT03P045DLS	SOT-26	P	-30	-7.5	30	4.5			20	-1.85		
VTP2305D	SOT-26	P	-20	-4.2		60	90	113	8	-0.7		
VTP3443D	SOT-26	P	-20	-5.97		60	84	100	12	-1.05		
VTN02P038UK	SOT-26	P	-20	-5		38	52	75	12	-0.6	Y	
VTN2002KW	SOT-323	N	20	0.1		3000		6000	8	0.75		

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
VTN3134KW	SOT-323	N	20	0.75		380	450	800	10	0.65	Y	
VTN02N160UKA	SOT-323	N	20	1		160	205	295	10	0.7		Y
VTN02N400UK	SOT-323	N	20	0.75		0.4	0.65	0.8	10	0.65	Y	
VTN1308KW	SOT-323	N	30	1.4	132	144	185		12	1.05	Y	
VTN1308KWA	SOT-323	N	30	1.4	132	144	185		12	1.05	Y	Y
VTN7410W	SOT-323	N	30	2	55	65	85		12	1		
VTN3018KW	SOT-323	N	30	0.1		8000	13000		20	1.15	Y	
VTN3127KW	SOT-323	N	30	2			185	260	12	0.75	Y	
VTN139KW	SOT-323	N	50	0.2		3500			20	1	Y	
2N7002AKW	SOT-323	N	60	0.3	3000	4000			20	1.5	Y	
2N7002KW	SOT-323	N	60	0.3	3000	4000			20	1.75	Y	
2N7002KWA	SOT-323	N	60	0.3	3000	4000			20	1.75	Y	Y
2N7002VW	SOT-323	N	60	0.3	3000	4000			20	1.75	Y	
VTN138KWA	SOT-323	N	60	0.32	1600	2200	6500		20	1.04	Y	Y
2N7002BKW	SOT-323	N	60	0.31	1600				20	1.6	Y	
2N7002BKWA	SOT-323	N	60	0.31	1600				20	1.6	Y	Y
VTP84W	SOT-323	P	-50	-0.13	10000				20	-1.4		
VTP84KW	SOT-323	P	-50	-0.13		10000			20	-1.45	Y	
VTP0213UKA	SOT-323	P	-20	-800		900	1260	2200	10	-0.75	Y	Y
VTP1013KW	SOT-323	P	-20	-0.8		900	1260	2200	10	-0.8	Y	
VTP1301KW	SOT-323	P	-12	-1.3		160	390	600	10	-0.7	Y	
VTN6308KDW	SOT-363	N/N	30	0.25	2800	4200	13000		20	1.15	Y	
VTN615KDW	SOT-363	N/N	30	0.1		3600	6000		20	1.15	Y	
VTN3008KDWA	SOT-363	N/N	30	0.35		1400	2100	2800	8	0.85	Y	Y
2N7002DW	SOT-363	N/N	60	0.115	7500				20/40	1.75		
2N7002KDWA	SOT-363	N/N	60	0.3	3000	4000			20	1.425	Y	Y
2N7002BKDWA	SOT-363	N/N	60	0.3	1600	2000			20	1.6	Y	Y
VTN138KDW	SOT-363	N/N	60	0.36	2	2.5	4.5		20	1.15	Y	
VTN620KDW	SOT-363	N/N	60	0.35		2000	2500	3000	20	0.75	Y	
VTN620KDWA	SOT-363	N/N	60	0.35		2000	2500	3500	20	0.75		Y
VTN1012KEA	SOT-523	N	20	0.63		400	500	700	8	0.75	Y	Y

Small Signal MOSFET

Part No.	Package	Channel	V_{DS} (V)	I_D Max. (A)	$R_{DS(ON)}$ Max. @10V (mΩ)	$R_{DS(ON)}$ Max. @4.5V (mΩ)	$R_{DS(ON)}$ Max. @2.5V (mΩ)	$R_{DS(ON)}$ Max. @1.8V (mΩ)	V_{GS} (±V)	$V_{GS(th)}$ Typ. (V)	ESD	AEC-Q
VTN290KE	SOT-523	N	20	0.7		380	620	1110	8	0.725	Y	
VTN3019KE	SOT-523	N	30	0.1	2500	3000	13000		20	1.15	Y	
2N7002E	SOT-523	N	60	0.115	13500	7500			20	1.5		
2N7002KE	SOT-523	N	60	0.3	3000	4000			20	1.75	Y	
VTN138KDE	SOT-563	N/N	50	0.35	1600	2500	4500		20	1.15	Y	
2N7002KDE	SOT-563	N/N	60	0.3	3	4			20	1.75		

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
MMBT3906HP	DFN1006-3H	PNP	100	-40	-200	60		250	
MMBT3904HP	DFN1006-3H	NPN	200	40	200	40		300	
MMBTRC116SS	SOT-23	NPN	200	50	100			250	
MMBTRC117SS	SOT-23	NPN	200	50	100			250	
MMBTRC118SS	SOT-23	NPN	200	50	100			250	
MMBTRC119SS	SOT-23	NPN	200	50	100			250	
MMBTRC120SS	SOT-23	NPN	200	50	100			250	
MMBTRC121SS	SOT-23	NPN	200	50	100			250	
MMBTRC122SS	SOT-23	NPN	200	50	100			250	
BC856A-A	SOT-23	PNP	200	-65	-100	125	250	100	Y
BC856B-A	SOT-23	PNP	200	-65	-100	220	475	100	Y
BC856C-A	SOT-23	PNP	200	-65	-100	420	800	100	Y
BC857A-A	SOT-23	PNP	200	-45	-100	125	250	100	Y
BC857B-A	SOT-23	PNP	200	-45	-100	220	475	100	Y
BC857C-A	SOT-23	PNP	200	-45	-100	420	800	100	Y
BC859A-A	SOT-23	PNP	200	-30	-100	125	250	100	Y
BC859B-A	SOT-23	PNP	200	-30	-100	220	475	100	Y
BC859C-A	SOT-23	PNP	200	-30	-100	420	800	100	Y
BC860A-A	SOT-23	PNP	200	-45	-100	125	250	100	Y
BC860B-A	SOT-23	PNP	200	-45	-100	220	475	100	Y
BC860C-A	SOT-23	PNP	200	-45	-100	420	800	100	Y
MMBT5401	SOT-23	PNP	200	-150	-600	50	240	100	
MMBTSA1162G	SOT-23	PNP	200	-50	-150	120	240	80	
MMBTSA1162Y	SOT-23	PNP	200	-50	-150	120	240	80	
BC817-16	SOT-23	NPN	300	45	500	100	250	100	
BC817-16A	SOT-23	NPN	300	45	500	100	250	100	Y
BC817-25	SOT-23	NPN	300	45	500	160	400	100	
BC817-25A	SOT-23	NPN	300	45	500	160	400	100	Y
BC817-40	SOT-23	NPN	300	45	500	250	600	100	
BC817-40A	SOT-23	NPN	300	45	500	250	600	100	Y
BC818-16	SOT-23	NPN	300	45	500	100	250	100	

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
BC818-16A	SOT-23	NPN	300	45	500	100	250	100	Y
BC818-25	SOT-23	NPN	300	45	500	160	400	100	
BC818-25A	SOT-23	NPN	300	45	500	160	400	100	Y
BC818-40	SOT-23	NPN	300	45	500	250	600	100	
BC818-40A	SOT-23	NPN	300	45	500	250	600	100	Y
BC846A	SOT-23	NPN	300	65	100	110	220	300	
BC846A-A	SOT-23	NPN	300	65	100	110	220	300	Y
BC846B	SOT-23	NPN	300	65	100	200	450	300	
BC846B-A	SOT-23	NPN	300	65	100	200	450	300	Y
BC846C	SOT-23	NPN	300	65	100	420	800	300	
BC846C-A	SOT-23	NPN	300	65	100	420	800	300	Y
BC847A	SOT-23	NPN	300	45	100	110	220	300	
BC847A-A	SOT-23	NPN	300	45	100	110	220	300	Y
BC847B	SOT-23	NPN	300	45	100	200	450	300	
BC847B-A	SOT-23	NPN	300	45	100	200	450	300	Y
BC847C	SOT-23	NPN	300	45	100	420	800	300	
BC847C-A	SOT-23	NPN	300	45	100	420	800	300	Y
BC848A	SOT-23	NPN	300	30	100	110	220	300	
BC848A-A	SOT-23	NPN	300	30	100	110	220	300	Y
BC848B	SOT-23	NPN	300	30	100	200	450	300	
BC848B-A	SOT-23	NPN	300	30	100	200	450	300	Y
BC848C	SOT-23	NPN	300	30	100	420	800	300	
BC848C-A	SOT-23	NPN	300	30	100	420	800	300	Y
BC849A	SOT-23	NPN	300	30	100	110	220	300	
BC849A-A	SOT-23	NPN	300	30	100	110	220	300	Y
BC849B	SOT-23	NPN	300	30	100	200	450	300	
BC849B-A	SOT-23	NPN	300	30	100	200	450	300	Y
BC849C	SOT-23	NPN	300	30	100	420	800	300	
BC849C-A	SOT-23	NPN	300	30	100	420	800	300	Y
BC850A	SOT-23	NPN	300	45	100	110	220	300	
BC850A-A	SOT-23	NPN	300	45	100	110	220	300	Y

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
BC850B	SOT-23	NPN	300	45	100	200	450	300	
BC850B-A	SOT-23	NPN	300	45	100	200	450	300	Y
BC850C	SOT-23	NPN	300	45	100	420	800	300	
BC850C-A	SOT-23	NPN	300	45	100	420	800	300	Y
MMBT4401	SOT-23	NPN	300	40	600	100	300	250	
MMBTSC1623G	SOT-23	NPN	300	50	150	200	400	250	
MMBTSC1623L	SOT-23	NPN	300	50	150	300	600	250	
MMBTSC1623O	SOT-23	NPN	300	50	150	90	180	250	
MMBTSC1623Y	SOT-23	NPN	300	50	150	135	270	250	
BC807-16	SOT-23	PNP	300	-45	-500	100	250	80	
BC807-16A	SOT-23	PNP	300	-45	-500	100	250	80	Y
BC807-25	SOT-23	PNP	300	-45	-500	160	400	80	
BC807-25A	SOT-23	PNP	300	-45	-500	160	400	80	Y
BC807-40	SOT-23	PNP	300	-45	-500	250	600	80	
BC807-40A	SOT-23	PNP	300	-45	-500	250	600	80	Y
BC808-16	SOT-23	PNP	300	-25	-500	100	250	80	
BC808-16A	SOT-23	PNP	300	-25	-500	100	250	80	Y
BC808-25	SOT-23	PNP	300	-25	-500	160	400	80	
BC808-25A	SOT-23	PNP	300	-25	-500	160	400	80	Y
BC808-40	SOT-23	PNP	300	-25	-500	250	600	80	
BC808-40A	SOT-23	PNP	300	-25	-500	250	600	80	Y
MMBTSB9110S	SOT-23	PNP	300	-100	-1000	150			
MMBT2222A	SOT-23	NPN	350	40	600	100	300	300	Y
MMBT2222AC	SOT-23	NPN	350	40	600	40		300	
MMBT2222C	SOT-23	NPN	350	30	600	30		300	
MMBT3904	SOT-23	NPN	350	40	200	100	300	300	
MMBT3904A	SOT-23	NPN	350	40	200	100	300	300	Y
MMBT5551	SOT-23	NPN	350	160	600	80	250	100	
MMBTA05A	SOT-23	NPN	350	60	500	100		100	Y
MMBTA06	SOT-23	NPN	350	80	500	100		100	
MMBTA06A	SOT-23	NPN	350	80	500	100		100	Y

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
MMBTA42	SOT-23	NPN	350	300	500	25		50	
MMBTA42A	SOT-23	NPN	350	300	500	25		50	Y
MMBTA43	SOT-23	NPN	350	200	500	25		50	
MMBTA43A	SOT-23	NPN	350	200	500	25		50	Y
MMBT2907	SOT-23	PNP	350	-40	-600	100	300	200	
MMBT2907A	SOT-23	PNP	350	-60	-600	100	300	200	
MMBT2907-A	SOT-23	PNP	350	-40	-600	100	300	200	Y
MMBT2907A-A	SOT-23	PNP	350	-60	-600	100	300	200	Y
MMBT3906	SOT-23	PNP	350	-40	-200	100	300	250	
MMBT3906A	SOT-23	PNP	350	-40	-200	100	300	250	Y
MMBTA56S	SOT-23	PNP	350	-80	-500	100			
MMBTA92	SOT-23	PNP	350	-300	-500	25	200	50	
MMBTA92A	SOT-23	PNP	350	-300	-500	25	200	50	Y
MMBTA93	SOT-23	PNP	350	-200	-500	25	200	50	
MMBTA93A	SOT-23	PNP	350	-200	-500	25	200	50	Y
MMBT493A	SOT-23	NPN	500	100	1	100		150	Y
BC817-16W	SOT-323	NPN	200	45	500	100	250	100	
BC817-16WA	SOT-323	NPN	200	45	500	100	250	100	Y
BC817-25W	SOT-323	NPN	200	45	500	160	400	100	
BC817-25WA	SOT-323	NPN	200	45	500	160	400	100	Y
BC817-40W	SOT-323	NPN	200	45	500	250	600	100	
BC817-40WA	SOT-323	NPN	200	45	500	250	600	100	Y
BC818-16W	SOT-323	NPN	200	45	500	100	250	100	
BC818-16WA	SOT-323	NPN	200	45	500	100	250	100	Y
BC818-25W	SOT-323	NPN	200	45	500	160	400	100	
BC818-25WA	SOT-323	NPN	200	45	500	160	400	100	Y
BC818-40W	SOT-323	NPN	200	45	500	250	600	100	
BC818-40WA	SOT-323	NPN	200	45	500	250	600	100	Y
BC846AWA	SOT-323	NPN	200	65	100	110	220	100	Y
BC846BWA	SOT-323	NPN	200	65	100	200	450	100	Y
BC846CWA	SOT-323	NPN	200	65	100	420	800	100	Y

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
BC847AWA	SOT-323	NPN	200	45	100	110	220	100	Y
BC847BWA	SOT-323	NPN	200	45	100	200	450	100	Y
BC847CWA	SOT-323	NPN	200	45	100	420	800	100	Y
BC848AWA	SOT-323	NPN	200	30	100	110	220	100	Y
BC848BWA	SOT-323	NPN	200	30	100	200	450	100	Y
BC848CWA	SOT-323	NPN	200	30	100	420	800	100	Y
BC849AWA	SOT-323	NPN	200	30	100	110	220	100	Y
BC849BWA	SOT-323	NPN	200	30	100	200	450	100	Y
BC849CWA	SOT-323	NPN	200	30	100	420	800	100	Y
BC850AWA	SOT-323	NPN	200	45	100	110	220	100	Y
BC850BWA	SOT-323	NPN	200	45	100	200	450	100	Y
BC850CWA	SOT-323	NPN	200	45	100	420	800	100	Y
MMBT4401W	SOT-323	NPN	200	40	600	100	300	250	
BC807-16W	SOT-323	PNP	200	-45	-500	100	250	80	
BC807-16WA	SOT-323	PNP	200	-45	-500	100	250	80	Y
BC807-25W	SOT-323	PNP	200	-45	-500	160	400	80	
BC807-25WA	SOT-323	PNP	200	-45	-500	160	400	80	Y
BC807-40W	SOT-323	PNP	200	-45	-500	250	600	80	
BC807-40WA	SOT-323	PNP	200	-45	-500	250	600	80	Y
BC808-16W	SOT-323	PNP	200	-25	-500	100	250	80	
BC808-16WA	SOT-323	PNP	200	-25	-500	100	250	80	Y
BC808-25W	SOT-323	PNP	200	-25	-500	160	400	80	
BC808-25WA	SOT-323	PNP	200	-45	-500	160	400	80	Y
BC808-40W	SOT-323	PNP	200	-25	-500	250	600	80	
BC808-40WA	SOT-323	PNP	200	-25	-500	250	600	80	Y
BC856ADW	SOT-363	PNP	200	-65	-100	125	250	100	
BC856BDW	SOT-363	PNP	200	-65	-100	220	475	100	
BC856BDW-A	SOT-363	PNP	200	-65	-100	220	475	100	Y
BC857ADW	SOT-363	PNP	200	-45	-100	125	250	100	
BC857ADW-A	SOT-363	PNP	200	-45	-100	125	250	100	Y
BC857BDW	SOT-363	PNP	200	-45	-100	220	475	100	

Small Signal Bipolar Transistor

Part No.	Package	Polarity	P_{tot} (mW)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Min. (MHz)	AEC-Q
BC857BDW-A	SOT-363	PNP	200	-45	-100	220	475	100	Y
BC857CDW	SOT-363	PNP	200	-45	-100	420	800	100	
BC857CDW-A	SOT-363	PNP	200	-45	-100	420	800	100	Y
BC858ADW	SOT-363	PNP	200	-30	-100	125	250	100	
BC858ADW-A	SOT-363	PNP	200	-30	-100	125	250	100	Y
BC858BDW	SOT-363	PNP	200	-30	-100	220	475	100	
BC858BDW-A	SOT-363	PNP	200	-30	-100	220	475	100	Y
BC858CDW	SOT-363	PNP	200	-30	-100	420	800	100	
BC858CDW-A	SOT-363	PNP	200	-30	-100	420	800	100	Y
BC846ADW	SOT-363	NPN	250	65	100	110	220	100	
BC846ADW-A	SOT-363	NPN	250	65	100	110	220	100	Y
BC846BDW	SOT-363	NPN	250	65	100	110	220	100	
BC846BDW-A	SOT-363	NPN	250	65	100	110	220	100	Y
BC846CDW	SOT-363	NPN	250	65	100	110	220	100	
BC846CDW-A	SOT-363	NPN	250	65	100	110	220	100	Y
BC847ADW	SOT-363	NPN	250	45	100	200	450	100	
BC847ADW-A	SOT-363	NPN	250	45	100	200	450	100	Y
BC847BDW	SOT-363	NPN	250	45	100	200	450	100	
BC847BDW-A	SOT-363	NPN	250	45	100	200	450	100	Y
BC847CDW	SOT-363	NPN	250	45	100	200	450	100	
BC847CDW-A	SOT-363	NPN	250	45	100	200	450	100	Y
BC848ADW	SOT-363	NPN	250	30	100	420	800	100	
BC848ADW-A	SOT-363	NPN	250	30	100	420	800	100	Y
BC848BDW	SOT-363	NPN	250	30	100	420	800	100	
BC848BDW-A	SOT-363	NPN	250	30	100	420	800	100	Y
BC848CDW	SOT-363	NPN	250	30	100	420	800	100	
BC848CDW-A	SOT-363	NPN	250	30	100	420	800	100	Y

Small Signal Digital Transistor

Part No.	Package	Polarity	Configuration	P_{tot} (mW)	V_{CBO} (V)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Typ. (MHz)	T_j (°C)	AEC-Q
MMBTRC101SS	SOT-23	NPN	Single	200	50	50	100	30		200	150	
MMBTRC101SSA	SOT-23	NPN	Single	200	50	50	100	30		200	150	Y
MMBTRC102SS	SOT-23	NPN	Single	200	50	50	100	50		200	150	
MMBTRC102SSA	SOT-23	NPN	Single	200	50	50	100	50		200	150	Y
MMBTRC103SS	SOT-23	NPN	Single	200	50	50	100	79		200	150	
MMBTRC103SSA	SOT-23	NPN	Single	200	50	50	100	79		200	150	Y
MMBTRC104SS	SOT-23	NPN	Single	200	50	50	100	80		200	150	
MMBTRC104SSA	SOT-23	NPN	Single	200	50	50	100	80		200	150	Y
MMBTRC105SS	SOT-23	NPN	Single	200	50	50	100	80		200	150	
MMBTRC105SSA	SOT-23	NPN	Single	200	50	50	100	80		200	150	Y
MMBTRC106SS	SOT-23	NPN	Single	200	50	50	100	80		200	150	
MMBTRC106SSA	SOT-23	NPN	Single	200	50	50	100	80		200	150	Y
MMBTRA101SS	SOT-23	PNP	Single	200	-50	-50	-100	30		200	150	
MMBTRA101SSA	SOT-23	PNP	Single	200	-50	-50	-100	30		200	150	Y
MMBTRA102SS	SOT-23	PNP	Single	200	-50	-50	-100	50		200	150	
MMBTRA102SSA	SOT-23	PNP	Single	200	-50	-50	-100	50		200	150	Y
MMBTRA103SS	SOT-23	PNP	Single	200	-50	-50	-100	70		200	150	
MMBTRA103SSA	SOT-23	PNP	Single	200	-50	-50	-100	70		200	150	Y
MMBTRA104SS	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	
MMBTRA104SSA	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	Y
MMBTRA105SS	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	
MMBTRA105SSA	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	Y
MMBTRA106SS	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	
MMBTRA106SSA	SOT-23	PNP	Single	200	-50	-50	-100	80		200	150	Y
MMDTC114W	SOT-323	NPN	Single	200	50	50	100	68		250	150	
MMDTC114WA	SOT-323	NPN	Single	200	50	50	100	68		200	150	Y
MMDT5110W	SOT-323	PNP	Single	200	-50	-50	-100	160	460	250	150	
MMDT5111W	SOT-323	PNP	Single	200	-50	-50	-100	35		250	150	
MMDT5112W	SOT-323	PNP	Single	200	-50	-50	-100	60		250	150	
MMDT5113W	SOT-323	PNP	Single	200	-50	-50	-100	80		250	150	
MMDT5114W	SOT-323	PNP	Single	200	-50	-50	-100	80		250	150	

Small Signal Digital Transistor

Part No.	Package	Polarity	Configuration	P_{tot} (mW)	V_{CBO} (V)	V_{CEO} (V)	I_C (mA)	h_{FE} Min.	h_{FE} Max.	f_T Typ. (MHz)	T_j (°C)	AEC-Q
MMDT5115W	SOT-323	PNP	Single	200	-50	-50	-100	160	460	250	150	
MMDT5116W	SOT-323	PNP	Single	200	-50	-50	-100	160	460	250	150	
MMDT5117W	SOT-323	PNP	Single	200	-50	-50	-100	160	460	250	150	
MMDT5119W	SOT-323	PNP	Single	200	-50	-50	-100	30		250	150	
MMDT511DW	SOT-323	PNP	Single	200	-50	-50	-100	30		250	150	
MMDT511EW	SOT-323	PNP	Single	200	-50	-50	-100	60		250	150	
MMDT511FW	SOT-323	PNP	Single	200	-50	-50	-100	30		250	150	
MMDT511HW	SOT-323	PNP	Single	200	-50	-50	-100	30		250	150	
MMDT511LW	SOT-323	PNP	Single	200	-50	-50	-100	20		250	150	
MMDT511MW	SOT-323	PNP	Single	200	-50	-50	-100	80		250	150	
MMDT511NW	SOT-323	PNP	Single	200	-50	-50	-100	80	400	250	150	
MMDT511TW	SOT-323	PNP	Single	200	-50	-50	-100	80	400	250	150	
MMDT511VW	SOT-323	PNP	Single	200	-50	-50	-100	20		250	150	
MMDT511ZW	SOT-323	PNP	Single	200	-50	-50	-100	60	200	250	150	
MMDTX141DWA	SOT-363	NPN/PNP	Single	200	50/-50	50/-50	100/-100	50/-50		250/200	150	Y

Small Signal Schottky

Part No.	Package	Configuration	V_R (V)	I_F Max. (mA)	I_{FSM} (mA)	V_F Max. (V)	I_R (μA)	C_T (PF)	AEC-Q
RB751V-40	SOD-323F	Single	30	50	200	0.37@1mA	0.5	1.51	
BAS70	SOT-23	Single	70	70	100	0.41@1mA	0.1	2	
BAS70A	SOT-23	Single	70	70	100	0.41@1mA	0.1	2	Y
BAS70-04	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	
BAS70-04A	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	Y
BAS70-05	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	
BAS70-05A	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	Y
BAS70-06	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	
BAS70-06A	SOT-23	Dual	70	70	100	0.41@1mA	0.1	2	Y
BAS70-04WA	SOT-323	Single	70	70	100	0.41@1mA	0.1	2	Y
BAS70-05WA	SOT-323	Single	70	70	100	0.41@1mA	0.1	2	Y
BAS70-06WA	SOT-323	Single	70	70	100	0.41@1mA	0.1	2	Y
BAS70WA	SOT-323	Single	70	70	100	0.41@1mA	0.1	2	Y
BAT42WS	SOD-323F	Single	30	100	2000	0.40@10mA	0.5	10	
BAT42WSA	SOD-323F	Single	30	100	2000	0.40@10mA	0.5	10	Y
BAT43WS	SOD-323F	Single	30	100	2000	0.33@2mA	0.5	10	
BAT43WSA	SOD-323F	Single	30	100	2000	0.33@2mA	0.5	10	Y
RB500V-40	SOD-323F	Single	40	100	1000	0.45@10mA	1	6	
RB500V-40A	SOD-323F	Single	40	100	1000	0.45@10mA	1	6	Y
RB501V-40	SOD-323F	Single	40	100	1000	0.34@10mA	30	6.22	
RB501V-40A	SOD-323F	Single	45	100	1000	0.34@10mA	30	3.6	Y
BAT46W	SOD-123F	Single	100	150	750	0.25@0.1mA	0.5	40	
BAT46WA	SOD-123F	Single	100	150	750	0.25@0.1mA	0.5	40	Y
BAT42W	SOD-123FL	Single	30	200	500	1@200mA	0.5	10	
BAT43W	SOD-123FL	Single	30	200	500	1@200mA	0.5	10	
BAT54WS	SOD-323F	Single	30	200	300	0.24@0.1mA	2	10	
BAS40WS	SOD-323F	Single	40	200	600	0.38@1mA	0.2	5	
RB520-40A	SOD-323F	Single	40	200	1000	0.3@10mA	15	50	Y
BAT46WS	SOD-323F	Single	100	200	750	0.25@1mA	0.5	10	
BAT54WT	SOD-523	Single	30	200	300	0.24@0.1mA	2	10	
RB520S-30	SOD-523	Single	30	200	1000	0.60@200mA	1		

Small Signal Schottky

Part No.	Package	Configuration	V_R (V)	I_F Max. (mA)	I_{FSM} (mA)	V_F Max. (V)	I_R (µA)	C_T (PF)	AEC-Q
RB520S-30A	SOD-523	Single	30	200	1000	0.60@200mA	1		Y
RB521S-30	SOD-523	Single	30	200	1000	0.5@200mA	30		
RB520S-40A	SOD-523	Single	40	200	1000	0.39@10mA	1		Y
BAT54	SOT-23	Single	30	200	600	0.24@0.1mA	2	10	
BAT54-A	SOT-23	Single	30	200	600	0.24@0.1mA	2	10	Y
BAS40	SOT-23	Single	40	200	600	0.38@1mA	0.2	5	
BAS40A	SOT-23	Single	40	200	600	0.38@1mA	0.2	5	Y
BAT54A	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54A-A	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54C	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54C-A	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54S	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54S-A	SOT-23	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAS40-04	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	
BAS40-04A	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	Y
BAS40-05	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	
BAS40-05A	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	Y
BAS40-06	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	
BAS40-06A	SOT-23	Dual	40	200	600	0.38@1mA	0.2	5	Y
BAT54W	SOT-323	Single	30	200	600	0.24@0.1mA	2	10	
BAT54WA	SOT-323	Single	30	200	600	0.24@0.1mA	2	10	Y
BAS40WA	SOT-323	Single	40	200	600	0.38@1mA	0.2	5	Y
BAT54AW	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54AWA	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54CW	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54CWA	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54SW	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54SWA	SOT-323	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAS40-04WA	SOT-323	Dual	40	200	600	0.38@1mA	0.2	5	Y
BAS40-05WA	SOT-323	Dual	40	200	600	0.38@1mA	0.2	5	Y
BAS40-06WA	SOT-323	Dual	40	200	600	0.38@1mA	0.2	5	Y

Small Signal Schottky

Part No.	Package	Configuration	V_R (V)	I_F Max. (mA)	I_{FSM} (mA)	V_F Max. (V)	I_R (μA)	C_T (PF)	AEC-Q
BAT54DW	SOT-363	Single	30	200	600	0.24@0.1mA	2	10	
BAT54DWA	SOT-363	Single	30	200	600	0.24@0.1mA	2	10	Y
BAT54ADW	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54ADWA	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54BDW	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54BDWA	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54CDW	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54CDWA	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54RDW	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54RDWA	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	Y
BAT54SDW	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	
BAT54SDWA	SOT-363	Dual	30	200	600	0.24@0.1mA	2	10	Y
SD103CW	SOD-123	Single	20	350	2000	0.37@20mA	5	30	
SD103BW	SOD-123	Single	30	350	2000	0.37@20mA	5	30	
SD103AW	SOD-123	Single	40	350	2000	0.37@20mA	5	30	
SD103CWS	SOD-323F	Single	20	350	2000	0.37@20mA	5	20	
SD103CWSA	SOD-323F	Single	20	350	2000	0.37@20mA	5	20	Y
SD103BWS	SOD-323F	Single	30	350	2000	0.37@20mA	5	20	
SD103BWSA	SOD-323F	Single	30	350	2000	0.37@20mA	5	20	Y
SD103AWS	SOD-323F	Single	40	350	2000	0.37@20mA	5	20	
SD103AWSA	SOD-323F	Single	40	350	2000	0.37@20mA	5	20	Y
MBR0530	SOD-123	Single	30	500	5500	0.375@100mA	20		
MBR0540	SOD-123FL	Single	40	500	20000	0.62@0.51A	10		
MBR0540A	SOD-123FL	Single	40	500	20000	0.62@0.51A	10		Y
RB551V-30	SOD-323F	Single	30	500	2000	0.36@100mA	100		
RB551V-30A	SOD-323F	Single	30	500	2000	0.36@100mA	100		Y
RB551V-40	SOD-323F	Single	40	500	2000	0.47@500mA	100		
RB551V-40A	SOD-323F	Single	40	500	2000	0.47@500mA	100		Y

Small Signal Switching Diode

Part No.	Package	V_R (V)	$I_{F(AV)}$ Single-die (A)	I_{FSM} (A) @1S	I_{FRM} (A)	V_F Max. (V)	I_R (μA)	T_{rr} (ns)	C_T (PF)	AEC-Q
1N4148WG	SOD-123	75	0.15	0.5		0.715	1	4	2	
1N4148WGA	SOD-123	75	0.15	0.5		0.715	1	4	2	Y
1N4148W	SOD-123F	75	0.15	0.5		0.715	1	4	2	
1N4148WA	SOD-123F	75	0.15	0.5		0.715	1	4	2	Y
1N4448WA	SOD-123F	80	0.15			0.72	0.1	4	4	Y
BAV19WA	SOD-123F	100	0.2	0.5	0.625	1	0.1	50	5	Y
BAV20WA	SOD-123F	150	0.2	0.5	0.625	1	0.1	50	5	Y
BAV20W	SOD-123F	200	0.2	0.5	0.625	1	0.1	50	5	
BAV21WA	SOD-123F	200	0.2	0.5	0.625	1	0.1	50	5	Y
BAV21W	SOD-123F	250	0.2	0.5	0.625	1	0.1	50	5	
BAV16WA	SOD-123F	100	0.215	0.5		0.715	0.5	4	1.5	Y
BAS216W	SOD-123F	75	0.25	0.5	0.5		50	4	1.5	
BAS216WA	SOD-123F	75	0.25	0.5	0.5		50	4	1.5	Y
1N4148WSG	SOD-323	75	0.15	0.35		1	5	4	4	
1N4148WSGA	SOD-323	75	0.15	1		0.715	1	4	2	Y
1N4148WS	SOD-323F	75	0.15	0.35		1	5	4	4	
1N4148WSA	SOD-323F	75	0.15	0.35		1	5	4	4	Y
1N4448WSA	SOD-323F	80	0.15			0.72	0.1	4	4	Y
BAV20WSA	SOD-323F	200	0.2	0.5	0.625	1	0.1	50	5	Y
BAV21WS	SOD-323F	250	0.2	0.5	0.625	1	0.1	50	5	
BAV21WSA	SOD-323F	250	0.2	0.5	0.625	1	0.1	50	5	Y
BAS16WS	SOD-323F	75	0.25			0.715	1	4	1.5	
1SS355A	SOD-323F	80	0.25	0.5		1.2	0.1	4	3	Y
BAS316WS	SOD-323F	100	0.25			0.715	1	4	1.5	
BAS316WSA	SOD-323F	100	0.25			0.715	1	4	1.5	Y
BAV19XWS	SOD-323F	100	0.25	0.5	1	1	0.1	50	5	
BAV19XWSA	SOD-323F	100	0.25	0.5	1	1	0.1	50	5	Y
BAV20XWS	SOD-323F	150	0.25	0.5	1	1	0.1	50	5	
BAV20XWSA	SOD-323F	150	0.25	0.5	1	1	0.1	50	5	Y
BAV21XWS	SOD-323F	200	0.25	0.5	1	1	0.1	50	5	
BAV21XWSA	SOD-323F	200	0.25	0.5	1	1	0.1	50	5	Y

Small Signal Switching Diode

Part No.	Package	V_R (V)	$I_{F(AV)}$ Single-die (A)	I_{FSM} (A) @1S	I_{FRM} (A)	V_F Max. (V)	I_R (μA)	T_{rr} (ns)	C_T (PF)	AEC-Q
BAS16WSA	SOD-323F	100	0.3			0.715	1	4	1.5	Y
1SS400	SOD-523	80	0.1	0.5		1.2	0.1	4	3	
1SS400A	SOD-523	100	0.1	0.5		1.2	0.1	4	3	Y
1N4148SWT	SOD-523	80	0.125			0.715	1	4	2	
1N4148WT	SOD-523	80	0.125			0.715	1	4	2	
1N4148WTA	SOD-523	80	0.125			0.715	1	4	2	Y
BAS521WT	SOD-523	300	0.225		0.625	1.1	0.15	50	5	
BAV199	SOT-23	85	0.16	0.5	0.5	0.9	0.005	3000	2	
BAV70	SOT-23	75	0.2	0.5	0.5	0.715	2.5	4	2	
BAV70A	SOT-23	75	0.2	0.5	0.5	0.715	2.5	4	2	Y
MMBD4148	SOT-23	75	0.2	1	0.7	1	5	4	4	
MMBD4148-A	SOT-23	75	0.2	1	0.7	1	5	4	4	Y
MMBD4148CA	SOT-23	75	0.2	1	0.7	1	5	4	4	
MMBD4148CA-A	SOT-23	75	0.2	1	0.7	1	5	4	4	Y
MMBD4148CC	SOT-23	75	0.2	1	0.7	1	5	4	4	
MMBD4148CC-A	SOT-23	75	0.2	1	0.7	1	5	4	4	Y
MMBD4148SE	SOT-23	75	0.2	1	0.7	1	5	4	4	
MMBD4148SE-A	SOT-23	75	0.2	1	0.7	1	5	4	4	Y
BAS19	SOT-23	120	0.2	0.5	0.63	1	0.1	50	5	
BAS19A	SOT-23	120	0.2	0.5	0.63	1	0.1	50	5	Y
BAS20	SOT-23	200	0.2	0.5	0.63	1	0.1	50	5	
BAS20A	SOT-23	200	0.2	0.5	0.63	1	0.1	50	5	Y
BAS116	SOT-23	75	0.215	0.5	0.5	0.9	0.005	3000	2	
BAW56	SOT-23	75	0.215	0.5	0.45	0.715	1	4	2	
BAW56A	SOT-23	75	0.215	0.5	0.45	0.715	1	4	2	Y
BAS16	SOT-23	80	0.215	0.5	0.5	0.715	0.5	4	2	
BAS16A	SOT-23	80	0.215	0.5	0.5	0.715	0.5	4	2	Y
BAV170	SOT-23	85	0.215	0.5	0.5	0.9	5	3	2	
BAV99	SOT-23	100	0.215	0.5	0.45	0.715	1	4	1.5	
BAV99A	SOT-23	100	0.215	0.5	0.45	0.715	1	4	1.5	Y
BAS21	SOT-23	250	0.4		0.625	1	100	50	5	

Small Signal Switching Diode

Part No.	Package	V_R (V)	$I_{F(AV)}$ Single-die (A)	I_{FSM} (A) @1S	I_{FRM} (A)	V_F Max. (V)	I_R (μA)	T_{rr} (ns)	C_T (PF)	AEC-Q
BAS21-A	SOT-23	250	0.4		0.625	1	100	50	5	
BAS21-AA	SOT-23	250	0.4		0.625	1	100	50	5	Y
BAS21-C	SOT-23	250	0.4		0.625	1	100	50	5	
BAS21-CA	SOT-23	250	0.4		0.625	1	100	50	5	Y
BAS21-S	SOT-23	250	0.4		0.625	1	100	50	5	
BAS21-SA	SOT-23	250	0.4		0.625	1	100	50	5	Y
BAS21A	SOT-23	250	0.4		0.625	1	100	50	5	Y
BAV99W	SOT-323	100	0.15	0.5		1.25	0.5	4	1.5	
BAV99WA	SOT-323	100	0.15	0.5		1.25	0.5	4	1.5	Y
BAV70W	SOT-323	75	0.175	0.5	0.5	0.715	2.5	4	2	
BAS16W	SOT-323	100	0.175	0.5		1.25	0.5	4	1.5	
BAS19W	SOT-323	120	0.2	0.5	0.625	1	0.1	50	5	
BAS20W	SOT-323	200	0.2	0.5	0.625	1	0.1	50	5	
BAS21AW	SOT-323	250	0.2	0.5	0.625	1	0.1	50	5	
BAS21CW	SOT-323	250	0.2	0.5	0.625	1	0.1	50	5	
BAS21SW	SOT-323	250	0.2	0.5	0.625	1	0.1	50	5	
BAS21W	SOT-323	250	0.2	0.5	0.625	1	0.1	50	5	
BAW56W	SOT-323	75	0.215	0.5	0.45	0.715	1	4	2	
BAW56WA	SOT-323	75	0.215	0.5	0.45	0.715	1	4	2	Y

Small Signal Zener

Part No.	Package	Voltage Tolerance (±%)	P_{tot} (mW)	V_{ZT} Nom. (V)	V_{ZT} Min. (V)	V_{ZT} Max. (V)	at I_{ZT} (mA)	AEC-Q
MM5Z2V4B - MM5Z39B	SOD-523	2	200	2.5 - 39	2.3 - 37	2.65 - 41	5	Y
MMBZ27CC	SOT-23	5	225	27	25.65	28.35	1	
MMBZ5V6CA - MMBZ18CA	SOT-23	5	225	5.6 - 18	5.32 - 17.1	5.88 - 18.9	1 - 20	
MMBZ5V6CA-A - MMBZ18CA-A	SOT-23	5	225	5.6 - 18	5.32 - 17.1	5.88 - 18.9	1 - 20	Y
MMBZ27CA-A	SOT-23	5	225	24	26.7	31		Y
MM3Z2B4G - MM3ZB75G	SOD-323	2	300	2.4 - 75	2.352 - 73.5	2.448 - 76.5	2 - 5	
MM3Z2B4GA - MM3ZB75GA	SOD-323	2	300	2.4 - 75	2.352 - 73.5	2.448 - 76.5	2 - 5	Y
MM3Z2V4BG - MM3Z39BG	SOD-323	2	300	2.5 - 39	2.3 - 37	2.65 - 41	5	Y
MM3Z2V0G - MM3Z75G	SOD-323	5	300	2.0 - 75	1.8 - 70	2.15 - 79	2 - 5	
MM3Z2V0GA - MM3Z75GA	SOD-323	5	300	1.975 - 74.5	1.8 - 70	2.15 - 79	2 - 5	Y
MM3Z2B4 - MM3ZB75	SOD-323F	2	300	2.4 - 75	2.352 - 73.5	2.448 - 76.5	2 - 5	
MM3Z2B4A - MM3ZB75A	SOD-323F	2	300	2.4 - 75	2.352 - 73.5	2.448 - 76.5	2 - 5	Y
MM3Z2V4B - MM3Z39B	SOD-323F	2	300	2.5 - 39	2.3 - 37	2.65 - 41	5	Y
MM3Z2V0 - MM3Z75	SOD-323F	5	300	2.0 - 75	1.8 - 70	2.15 - 79	2 - 5	
MM3Z2V0A - MM3Z75A	SOD-323F	5	300	1.975 - 74.5	1.8 - 70	2.15 - 79	2 - 5	Y
BZX84B2V4 - BZX84B75	SOT-23	2	350	2.4 - 75	2.35 - 73.5	2.45 - 76.5	2 - 5	Y
BZX84B2V4CA - BZX84B75CA	SOT-23	2	350	2.4 - 75	2.35 - 73.5	2.45 - 76.5	2 - 5	Y
BZX84C2V0 - BZX84C75	SOT-23	5	350	2.0 - 75	1.8 - 70	2.15 - 79	2 - 5	
BZX84C2V0A - BZX84C75A	SOT-23	5	350	2.0 - 75	1.8 - 70	2.15 - 79	2 - 5	Y
MMBZ5221BA - MMBZ5267BA	SOT-23	5	350	2.4 - 75	2.28 - 71.25	2.52 - 78.75	1.7 - 20	Y
BZT52B2V4G - BZT52B75G	SOD-123	2	500	2.4 - 75	2.35 - 73.5	2.45 - 76.5	2 - 5	Y
BZT52C2V4G - BZT52C75G	SOD-123	5	500	2.4 - 75	2.2 - 70	2.6 - 79	2 - 5	
MM1Z5221BG - MM1Z5267BG	SOD-123	5	500	2.4 - 75	2.28 - 71.25	2.52 - 78.75	1.7 - 20	
BZT52B2V4 - BZT52B75	SOD-123F	2	500	2.4 - 75	2.35 - 73.5	2.45 - 76.5	2 - 5	Y
BZT52C2V4 - BZT52C75	SOD-123F	5	500	2.4 - 75	2.2 - 70	2.6 - 79	2 - 5	
BZT52C2V4WA - BZT52C75WA	SOD-123F	5	500	2.4 - 75	2.2 - 70	2.6 - 79	2 - 5	Y
MM1Z5221B - MM1Z5267B	SOD-123F	5	500	2.4 - 75	2.28 - 71.25	2.52 - 78.75	1.7 - 20	
MM1Z5221BA - MM1Z5267BA	SOD-123F	5	500	2.4 - 75	2.28 - 71.25	2.52 - 78.75	1.7 - 20	Y

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