

GENERAL PURPOSE RECTIFIERS – PLASTIC PASSIVATED JUNCTION

THROUGH HOLE

$V_{PR}(V)$ $I_b(A)$	50	100	200	300	400	500	600	800	1000	1250	1300	1600	PACKAGE
1.0	1A1	1A2	1A3		1A4		1A5	1A6	1A7				R-1
1.0	1N4001S	1N4002S	1N4003S		1N4004S		1N4005S	1N4006S	1N4007S				A-405
1.0	1N4001	1N4002	1N4003		1N4004		1N4005	1N4006	1N4007				DO-41
1.0										BY127M	BY133	EM513	DO-41
1.5	1N5391	1N5392	1N5393	1N5394	1N5395	1N5396	1N5397	1N5398	1N5399				DO-15
1.5	RL151	RL152	RL153		RL154		RL155	RL156	PS157				DO-15
2.0	RL201	RL202	RL203		RL204		RL205	RL206	RL207				DO-15
3.0	1N5400	1N5401	1N5402	1N5403	1N5404	1N5405	1N5406	1N5407	1N5408				DO-201AD
3.0			BY251		BY252		BY253	BY254			BY255		DO-201AD
6.0	P600A	P600B	P600D		P600G		P600J	P600K	P600M				P600

SURFACE MOUNT

1.0	M1	M2	M3		M4		M5	M6	M7				SMA/DO-214AC
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GENERAL PURPOSE RECTIFIERS – GLASS PASSIVATED JUNCTION

THROUGH HOLE

$V_{PR}(V)$ $I_b(A)$	50	100	200	400	600	800	1000	PACKAGE
1.0	1A1G	1A2G	1A3G	1A4G	1A5G	1A6G	1A7G	R-1
1.0	1N4001GS	1N4002GS	1N4003GS	1N4004GS	1N4005GS	1N4006GS	1N4007GS	A-405
1.0	1N4001G	1N4002G	1N4003G	1N4004G	1N4005G	1N4006G	1N4007G	DO-41

SURFACE MOUNT

1.0	GS1A	GS1B	GS1D	GS1G	GS1J	GS1K	GS1M	SMA/DO-214AC
1.0	S1A	S1B	S1D	S1G	S1J	S1K	S1M	SMB/DO-214AA
2.0	S2A	S2B	S2D	S2G	S2J	S2K	S2M	SMB/DO-214AA
3.0	S3A	S3B	S3D	S3G	S3J	S3K	S3M	SMC/DO-214AB

FAST RECOVERY RECTIFIERS – PLASTIC PASSIVATED JUNCTION

THROUGH HOLE

$V_{PR}(V)$ $t_{tr}(ns)$ $I_b(A)$	50	100	200	400	600	800	1000	PACKAGE
1.0	1F1	1F2	1F3	1F4	1F5	1F6	1F7	R-1
1.0	1N4001SF	1N4002SF	1N4003SF	1N4004SF	1N4004SF	1N4006SF	1N4007SF	A-405
1.0	FR101	FR102	FR103	FR104	FR105	FR106	FR107	DO-41
1.0	1N4933	1N4933A	1N4935	1N4936	1N4937			DO-41
1.0			1N4942	1N4944	1N4946	1N4947	1N4948	DO-41
1.0				BA157	BA158		BA159	DO-41
1.5	FR151	FR152	FR153	FR154	FR155	FR156	FR157	DO-15
2.0	FR201	FR202	FR203	FR204	FR205	FR206	FR207	DO-15
2.0		BY296	BY297	BY298		BY299		DO-201AD
3.0	FR301	FR302	FR303	FR304	FR305	FR306	FR307	DO-201AD
3.0		BY396	BY397	BY398		BY399		DO-201AD
3.0	MR850	MR851	MR852	MR854	MR856			DO-201AD
6.0	FR601	FR602	FR603	FR604	FR605	FR606		P600

FAST RECOVERY RECTIFIERS – GLASS PASSIVATED JUNCTION

SURFACE MOUNT

$V_{PR}(V)$ $t_{tr}(ns)$ $I_b(A)$	50	100	200	400	600	800	1000	PACKAGE
1.0	RS1A	RS1B	RS1D	RS1G	RS1J	S1K		SMA/DO-214AC
1.0	FR1A	FR1B	FR1D	FR1G	FR1J	FR1K		SMB/DO-214AA
2.0	FR2A	FR2B	FR2D	FR2G	FR2J	FR2K		SMB/DO-214AA
3.0	FR3A	FR3B	FR3D	FR3G	FR3J	FR3K		SMC/DO-214AB

ULTRA FAST RECOVERY RECTIFIERS – PLASTIC PASSIVATED JUNCTION

THROUGH HOLE

V_{PR} (V)	50	100	200	400	600	800	1000	
t_{rr} (ns)	50	50	50	50	75	75	75	PACKAGE
I_b (A)								
1.0	1U1	1U2	1U3	1U4	1U5	1U6	1U7	R-1
1.0	UF4001S	UF4002S	UF4003S	UF4004S	UF4005S	UF4006S	UF4007S	A-405
1.0	UF4001	UF4002	UF4003	UF4004	UF4005	UF4006	UF4007	DO-41
1.5	HER151	HER152	HER153	HER154	HER155	HER156	HER157	DO-15
2.0	HER201	HER202	HER203	HER204	HER205	HER206	HER207	DO-15
3.0	HER301	HER302	HER303	HER304	HER305	HER306	HER307	DO-201AD
6.0	HER601	HER602	HER603	HER604	HER605	HER606	HER607	P600

ULTRA FAST RECOVERY RECTIFIERS – GLASS PASSIVATED JUNCTION

THROUGH HOLE

V_{PR} (V)	50	100	200	300	400	600	800	
t_{rr} (ns)	50	50	50	50	50	75	100	PACKAGE
I_b (A)								
1.0	1U1G	1U2G	1U3G		1U4G	1U5G	1U6G	R-1
1.0	UF100GS	UF101GS	UF102GS		UF104GS	UF106GS	UF108GS	A-405
1.0	UF100G	UF101G	UF102G		UF104G	UF106G	UF108G	DO-41
1.5	UF150G	UF151G	UF152G		UF154G	UF156G	UF158G	DO-15
2.0	UF200G	UF201G	UF202G		UF204G	UF206G	UF208G	DO-15
3.0	UF300G	UF301G	UF302G		UF304G	UF306G	UF308G	DO-201AD
6.0	UF600G	UF601G	UF602G		UF604G	UF606G	UF608G	P600
8.0	UF800F	UF801F	UF802F	UF803F	UF804F	UF806F	UF808F	ITO-220AC
8.0	UF800	UF801	UF802	UF803	UF804	UF806	UF808	TO-220AC
10.0	UF1000F	UF1001F	UF1002F		UF1004F	UF1006F	UF1008F	ITO-220AC
10.0	UF1000	UF1001	UF1002		UF1004	UF1006	UF1008	TO-220AC
16.0	UF1600F	UF1601F	UF1602F	UF16003F	UF1604F	UF1606F	UF1608F	ITO-220AB
16.0	UF1600	UF1601	UF1602	UF16003	UF1604	UF1606	UF1608	TO-220AB

SURFACE MOUNT

V_{PR} (V)	50	100	200	400	600	800	
t_{rr} (ns)	150	150	150	150	250	500	PACKAGE
I_b (A)							
1.0	US1A	US1B	US1D	US1G	US1J	US1K	SMA/DO-214AC
1.0	UF1A	UF1B	UF1D	UF1G	UF1J	UF1K	SMB/DO-214AA
2.0	UF2A	UF2B	UF2D	UF2G	UF2J	UF2K	SMB/DO-214AA
3.0	UF3A	UF3B	UF3D	UF3G	UF3J	UF3K	SMC/DO-214AB

SUPER FAST RECOVERY RECTIFIERS – GLASS PASSIVATED JUNCTION

THROUGH HOLE

V_{PR} (V)	50	100	150	200	300	400	600	
t_{rr} (ns)	35	35	35	35	35	35	35	PACKAGE
I_b (A)								
1.0	1E1	1E2	1E2A	1E3	1E3A	1E4	1E5	R-1
1.0	SF11S	SF12S	SF13S	SF14S	SF15S	SF16S	SF17S	A-405
1.0	SF11	SF12	SF13	SF14	SF15	SF16	SF17	DO-41
2.0	SF21	SF22	SF23	SF24	SF25	SF26	SF27	DO-15
3.0	SF31	SF32	SF33	SF34	SF35	SF36	SF37	DO-201AD
5.0	SF51	SF52	SF53	SF54	SF55	SF56	SF57	DO-201AD
8.0	ER800F	ER801F	ER801AF	ER802F	ER803F	ER804F		ITO-220AC
8.0	ER800	ER801	ER801A	ER802	ER803	ER804		TO-220AC
10.0	ER100F	ER1001F	ER1001AF	ER1002F	ER1003F	ER1004F		ITO-220AC
10.0	ER1000	ER1001	ER1001A	ER1002	ER1003	ER1004		TO-220AC
16.0	ER1600F	ER1601F	ER1601AF	ER1602F	ER1603F	ER1604F		ITO-220AB
16.0	ER1600	ER1601	ER1601A	ER1602	ER1603	ER1604		TO-220AB

SURFACE MOUNT

V_{PR} (V)	50	100	150	200	300	400	600	
t_{rr} (ns)	35	35	35	35	35	35	35	PACKAGE
I_b (A)								
1.0	ES1A	ES1B	ES1C	ES1D	ES1E	ES1G	ES1J	SMA/DO-214AC
1.0	ER1A	ER1B	ER1C	ER1D	ER1E	ER1G	ER1J	SMB/DO-214AA
2.0	ER2A	ER2B	ER2C	ER2D	ER2E	ER2G	ER2J	SMB/DO-214AA
3.0	ER3A	ER3B	ER3C	ER3D	ER3E	ER3G	ER3J	SMC/DO-214AB
3.0				ED302S	ED303S	EDS304S	ED306S	D PAK/TO-252
6.0				ED602CS	ED603CS	ED604CS	ED606CS	D PAK/TO-252
8.0				ED802CS	ED803CS	ED804CS	ED806CS	D PAK/TO-252
10.0				ED1002CS	ED1003CS	ED1004CS	ED1006CS	D PAK/TO-252

SCOTTKY BARRIER RECTIFIERS

THROUGH HOLE

V_{PR} (V) I_b (A)	20	30	40	45	50	60	80	100	PACKAGE
1.0	1S2	1S3	1S4		1S5	1S6	1S8	1S10	R-1
1.0	SB120S	SB130S	SB140S		SB150S	SB160S	SB180S	SB1100S	A-405
1.0	1N5817	1N5818	1N5819						DO-41
1.0	SB120	SB130	SB140		SB150	SB160	SB180	SB1100	DO-41
2.0	SB220	SB230	SB240		SB250	SB260	SB280	SB2100	DO-15
3.0	1N5820	1N5821	1N5822						DO-201AD
3.0	SB320	SB330	SB340		SB350	SB360	SB380	SB3100	DO-201AD
5.0	SB520	SB530	SB540		SB550	SB560	SB580	SB5100	DO-201AD
8.0	SB820F	SB830F	SB840F		SB850F	SB860F	SB880F	SB8100F	ITO-220AC
8.0	SB820	SB830	SB840		SB850	SB860	SB880	SB8100	TO-220AC
10.0	SB1020F	SB1030F	SB1040F		SB1050F	SB1060F	SB1080F	SB10100F	ITO-220AC
10.0	SB1020	SB1030	SB1040		SB1050	SB1060	SB1080	SB10100	TO-220AC
16.0	SB1620F	SB1630F	SB1640F		SB1650F	SB1660F	SB1680F	SB16100F	ITO-220AB
16.0	SB1620	SB1630	SB1640		SB1650	SB1660	SB1680	SB16100	TO-220AB
20.0	SB2020F	SB2030F	SB2040F	SB2045F	SB2050F	SB2060F	SB2080F	SB20100F	ITO-220AB
20.0	SB2020	SB2030	SB2040	SB2045	SB2050	SB2060	SB2080	SB20100	TO-220AB
25.0	SB2520F	SB2530F	SB2540F		SB2550F	SB2560F	SB2580F	SB25100F	ITO-220AB
25.0	SB2520	SB2530	SB2540		SB2550	SB2560	SB2580	SB25100	TO-220AB

***NOTE: 30 TO 60A AVAILABLE UPON REQUEST

SURFACE MOUNT

Max Average Rectified Current I_b (A) @ 75°C	Part Number	Peak Voltage	Max Reverse Current	Forward Voltage Drop		Max Peak Fwd Surge Current	Package
		V_{RRM} (V)	I_R (μ A) @ V_R (V)	V_F (V)	I_F (A)	I_{FSM} (A)	
0.20	BAT42WS	30	25 @ 20	0.40/1.0	0.010/0.2	4.0	SOD-323
0.20	BAT43WS	30	25 @ 20	0.33/1.0	0.002/0.2	4.0	SOD-323
0.20	BAT54WS	30	25 @ 20	0.32/1.0	0.001/0.1	0.6	SOD-323
0.20	BAT54	30	5000 @ 75	0.32/1.0	0.001/0.1	0.6	SOT-23-1
0.20	BAT54A	30	5000 @ 75	0.32/1.0	0.001/0.1	0.6	SOT-23-2
0.20	BAT54C	30	1000 @ 75	0.32/1.0	0.001/0.1	0.6	SOT-23-3
0.20	BAT54S	30	100 @ 120	0.32/1.0	0.001/0.1	0.6	SOT-23-4
0.20	BAT54W	30	100 @ 150	0.32/1.0	0.001/0.1	0.6	SOT-23-1
0.20	BAT54AW	30	100 @ 200	0.32/1.0	0.001/0.1	0.6	SOT-23-2
0.20	BAT54CW	30	2500 @ 70	0.32/1.0	0.001/0.1	0.6	SOT-23-3
0.20	BAT54SW	30	5000 @ 70	0.32/1.0	0.001/0.1	0.6	SOT-23-4
0.20	BAT42W	30	2500 @ 70	0.40/1.0	0.010/0.2	4.0	SOD-123
0.20	BAT43W	30	2500 @ 70	0.33/1.0	0.002/0.2	4.0	SOD-123

V_{PR} (V) I_b (A)	20	30	40	50	60	80	90	100	PACKAGE
0.35	SD103CW	SD103BW	SD103AW						SOD-123
0.35	SD103CWS	SD103BWS	SD103AWS						SOD-323
0.50	SS0520	SS0530	SS0540						SOD-123
1.0	SS12	SS13	SS14	SS15	SS16	SS18	SS19	S100	SAM/DO-214AC
1.0	SL12	SL13	SL14						SMA/DO-214AC
1.0	SK12	SK13	SK14	SK15	SK16	SK18	SK19	S110	SMB/DO-214AA
2.0	SR22	SR23	SR24	SR25	SR26	SR28	SR29		SMA/DO-214AC
2.0	SK22	SK23	SK24	SK25	SK26	SK28	SK29	S210	SMB/DO-214AA
2.0	SL22	SL23	SL24						SMB/DO-214AA
3.0	SR32	SR33	SR34	SR35	SR36	SR38	SR39		SMC/DO-214AA
3.0	SK32	SK33	SK34	SK35	SK36	SK38	SK39	S310	SMB/DO-214AB
3.0	SL32	SL33	SL34						SMC/DO-214AB
3.0	SD320S	SD330S	SD340S	SD350S	SD360S	SD380S		SD3100S	D PAK/TO-252
6.0	SD620CS	SD630CS	SD640CS	SD650CS	SD660CS	SD680CS		SD6100CS	D PAK/TO-252
8.0	SD820S	SD830S	SD840S	SD850S	SD860S	SD880S		SD8100S	DPAK/TO-252
16.0	SB1620DC	SB1630DC	SB1640DC	SB1650DC	SB1660DC	SB1680DC		SB16100DC	D2PAK/TO-263

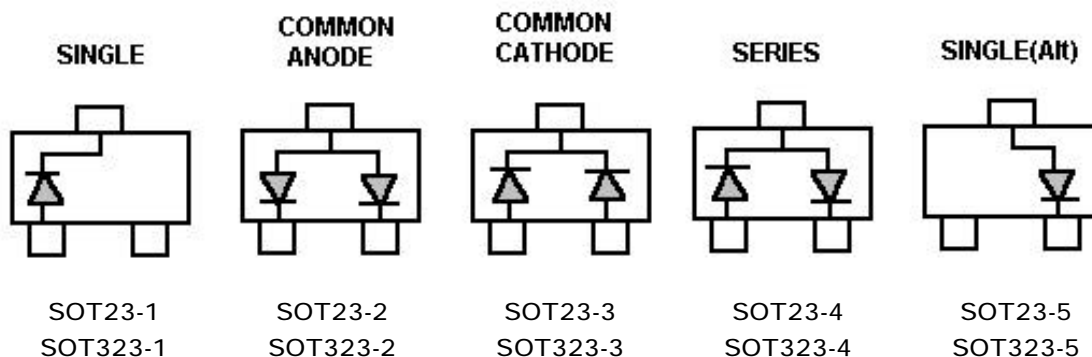
ZENER DIODES

P _b (W)	0.35		0.5		1.0			1.5		2.0		3.0	
Package V _Z (V)	SOT-23	MINI-MELF	DO-35	DL-41 MELF	SMA/ DO-214AC	DO-41	SMB/ DO-214AA	DO-41	SMB/ DO-214AA	DO-41	SMB/ DO-214AA	DO-15	
2.4	MMBZ5221B	MLL5221B	1N5221B										
2.5	MMBZ5222B	MLL5222B	1N5222B										
2.7	MMBZ5223B	MLL5223B	1N5223B										
2.8	MMBZ5224B	MLL5224B	1N5224B										
3.0	MMBZ5225B	MLL5225B	1N5225B										
3.3	MMBZ5226B	MLL5226B	1N5226B	DL4728A		1N4728A							
3.6	MMBZ5227B	MLL5227B	1N5227B	DL4729A		1N4729A							
3.9	MMBZ5228B	MLL5228B	1N5228B	DL4730A		1N4730A							
4.3	MMBZ5229B	MLL5229B	1N5229B	DL4731A		1N4731A							
4.7	MMBZ5230B	MLL5230B	1N5230B	DL4732A		1N4732A							
5.1	MMBZ5231B	MLL5231B	1N5231B	DL4733A		1N4733A							
5.6	MMBZ5232B	MLL5232B	1N5232B	DL4734A		1N4734A							
6.0	MMBZ5233B	MLL5233B	1N5233B										
6.2	MMBZ5234B	MLL5234B	1N5234B	DL4735A		1N4735A							
6.8	MMBZ5235B	MLL5235B	1N5235B	DL4736A		1N4736A							
7.5	MMBZ5236B	MLL5236B	1N5236B	DL4737A		1N4737A							
8.2	MMBZ5237B	MLL5237B	1N5237B	DL4738A		1N4738A							
8.7	MMBZ5238B	MLL5238B	1N5238B										
9.1	MMBZ5239B	MLL5239B	1N5239B	DL4739A		1N4739A							
10	MMBZ5240B	MLL5240B	1N5240B	DL4740A		1N4740A							
11	MMBZ5241B	MLL5241B	1N5241B	DL4741A	1SMA4741	1N4741A	1SMB5926	1N5926B	1SMB2EZ11	2EZ11	1SMB3EZ11	3EZ11	
12	MMBZ5242B	MLL5242B	1N5242B	DL4742A	1SMA4742	1N4742A	1SMB5927	1N5927B	1SMB2EZ12	2EZ12	1SMB3EZ12	3EZ12	
13	MMBZ5243B	MLL5243B	1N5243B	DL4743A	1SMA4743	1N4743A	1SMB5928	1N5928B	1SMB2EZ13	2EZ13	1SMB3EZ13	3EZ13	
14	MMBZ5244B	MLL5244B	1N5244B						1SMB2EZ14	2EZ14	1SMB3EZ14	3EZ14	
15	MMBZ5245B	MLL5245B	1N5245B	DL4744A	1SMA4744	1N4744A	1SMB5929	1N5929B	1SMB2EZ15	2EZ15	1SMB3EZ15	3EZ15	
16	MMBZ5246B	MLL5246B	1N5246B	DL4745A	1SMA4745	1N4745A	1SMB5930	1N5930B	1SMB2EZ16	2EZ16	1SMB3EZ16	3EZ16	
17	MMBZ5247B	MLL5247B	1N5247B						1SMB2EZ17	2EZ17	1SMB3EZ17	3EZ17	
18	MMBZ5248B	MLL5248B	1N5248B	DL4746A	1SMA4746	1N4746A	1SMB5931	1N5931B	1SMB2EZ18	2EZ18	1SMB3EZ18	3EZ18	
19	MMBZ5249B	MLL5249B	1N5249B						1SMB2EZ19	2EZ19	1SMB3EZ19	3EZ19	
20	MMBZ5250B	MLL5250B	1N5250B	DL4747A	1SMA4747	1N4747A	1SMB5932	1N5932B	1SMB2EZ20	2EZ20	1SMB3EZ20	3EZ20	
22	MMBZ5251B	MLL5251B	1N5251B	DL4748A	1SMA4748	1N4748A	1SMB5933	1N5933B	1SMB2EZ22	2EZ22	1SMB3EZ22	3EZ22	
24	MMBZ5252B	MLL5252B	1N5252B	DL4749A	1SMA4749	1N4749A	1SMB5934	1N5934B	1SMB2EZ24	2EZ24	1SMB3EZ24	3EZ24	
25	MMBZ5253B	MLL5253B	1N5253B										
27	MMBZ5254B	MLL5254B	1N5254B	DL4750A	1SMA4750	1N4750A	1SMB5935	1N5935B	1SMB2EZ27	2EZ27	1SMB3EZ27	3EZ27	
28	MMBZ5255B	MLL5255B	1N5255B						1SMB2EZ28	2EZ28	1SMB3EZ28	3EZ28	
30	MMBZ5256B	MLL5256B	1N5256B	DL4751A	1SMA4751	1N4751A	1SMB5936	1N5936B	1SMB2EZ30	2EZ30	1SMB3EZ30	3EZ30	
33	MMBZ5257B	MLL5257B	1N5257B	DL4752A	1SMA4752	1N4752A	1SMB5937	1N5937B	1SMB2EZ33	2EZ33	1SMB3EZ33	3EZ33	
36	MMBZ5258B	MLL5258B	1N5258B	DL4753A	1SMA4753	1N4753A	1SMB5938	1N5938B	1SMB2EZ36	2EZ36	1SMB3EZ36	3EZ36	
39	MMBZ5259B	MLL5259B	1N5259B	DL4754A	1SMA4754	1N4754A	1SMB5939	1N5939B	1SMB2EZ39	2EZ39	1SMB3EZ39	3EZ39	
43		MLL5260B	1N5260B	DL4755A	1SMA4755	1N4755A	1SMB5940	1N5940B	1SMB2EZ43	2EZ43	1SMB3EZ43	3EZ43	
47		MLL5261B	1N5261B	DL4756A	1SMA4756	1N4756A	1SMB5941	1N5941B	1SMB2EZ47	2EZ47	1SMB3EZ47	3EZ47	
51				DL4757A	1SMA4757	1N4757A	1SMB5942	1N5942B	1SMB2EZ51	2EZ51	1SMB3EZ51	3EZ51	
56				DL4758A	1SMA4758	1N4758A	1SMB5943	1N5943B	1SMB2EZ56	2EZ56	1SMB3EZ56	3EZ56	
60													
62				DL4759A	1SMA4759	1N4759A	1SMB5944	1N5944B	1SMB2EZ62	2EZ62	1SMB3EZ62	3EZ62	
68				DL4760A	1SMA4760	1N4760A	1SMB5945	1N5945B	1SMB2EZ68	2EZ68	1SMB3EZ68	3EZ68	
75				DL4761A	1SMA4761	1N4761A	1SMB5946	1N5946B	1SMB2EZ75	2EZ75	1SMB3EZ75	3EZ75	
82				DL4762A	1SMA4762	1N4762A	1SMB5947	1N5947B	1SMB2EZ82	2EZ82	1SMB3EZ82	3EZ82	
87													
91				DL4763A	1SMA4763	1N4763A	1SMB5948	1N5948B	1SMB2EZ91	2EZ91	1SMB3EZ91	3EZ91	
100				DL4764A	1SMA4764	1N4764A	1SMB5949	1N5949B	1SMB2EZ100	2EZ100	1SMB3EZ100	3EZ100	
110					1SMA110Z	1M110Z	1SMB5950	1N5950B	1SMB2EZ110	2EZ110	1SMB3EZ110	3EZ110	
120					1SMA120Z	1M120Z	1SMB5951	1N5951B	1SMB2EZ120	2EZ120	1SMB3EZ120	3EZ120	
130					1SMA130Z	1M130Z	1SMB5952	1N5952B	1SMB2EZ130	2EZ130	1SMB3EZ130	3EZ130	
150					1SMA150Z	1M150Z	1SMB5953	1N5953B	1SMB2EZ150	2EZ150	1SMB3EZ150	3EZ150	
160					1SMA160Z	1M160Z	1SMB5954	1N5954B	1SMB2EZ160	2EZ160	1SMB3EZ160	3EZ160	
180					1SMA180Z	1M180Z	1SMB5955	1N5955B	1SMB2EZ180	2EZ180	1SMB3EZ180	3EZ180	
200					1SMA200Z	1M200Z	1SMB5956	1N5956B	1SMB2EZ200	2EZ200	1SMB3EZ200	3EZ200	

***NOTE: 5W AVAILABLE IN SMC (DO-214AB) AND DO-201AE PACKAGES

SWITCHING DIODES

Part Number	Power Dissipation	Max Avg Rectified Current	Peak Reverse Voltage	Continuous Reverse Current	Forward Voltage	Reverse Recovery Time	Package		
	P_a (mW)	I_o (mA)	V_{RRM} (V)	$I_R @ V_R$ (V)	$V_F @ I_F$ (mA)	t_{rr} (ns)	Bulk	Reel	Outline
200mW									
1N4148WS	200	150	100	2500 @ 75	1.0 @ 50	4		5000	SOD-323
1N4448WS	200	150	100	2500 @ 75	0.72/1.0 @ 5.0/100	4		5000	SOD-323
BAV16WS	200	250	100	1000 @ 75	0.86 @ 10	6		5000	SOD-323
BAV19WS	200	250	120	100 @ 100	1.0 @ 100	50		5000	SOD-323
BAV20WS	200	250	200	100 @ 150	1.0 @ 100	50		5000	SOD-323
BAV21WS	200	250	250	100 @ 200	1.0 @ 100	50		5000	SOD-323
MMBD4148W	200	150	100	2500 @ 75	1.0 @ 50	4		3000	SOT-323-1
MMBD4448W	200	150	100	2500 @ 75	0.72/1.0 @ 5.0/100	4		3000	SOT-323-1
BAS16W	200	250	100	1000 @ 75	0.86 @ 10	6		3000	SOT-323-1
BAS19W	200	250	120	100 @ 100	1.0 @ 100	50		3000	SOT-323-1
BAS20W	200	250	200	100 @ 150	1.0 @ 100	50		3000	SOT-323-1
BAS21W	200	250	250	100 @ 200	1.0 @ 100	50		3000	SOT-323-1
BAW56W	200	150	100	2500 @ 75	1.0 @ 50	4		3000	SOT-323-2
BAV70W	200	150	100	2500 @ 75	1.0 @ 50	4		3000	SOT-323-3
BAV99W	200	150	100	2500 @ 75	1.0 @ 50	4		3000	SOT-323-4
BAL99W	200	150	100	2500 @ 75	1.0 @ 50	4		3000	SOT-323-5
350mW									
MMBD4148	350	200	100	5000 @ 75	1.0 @ 10	4		3000	SOT-23-1
MMBD4448	350	200	100	5000 @ 75	1.0 @ 10	4		3000	SOT-23-1
BAS16	350	200	100	1000 @ 75	1.0 @ 50	6		3000	SOT-23-1
BAS19	350	200	120	100 @ 120	1.0 @ 100	50		3000	SOT-23-1
BAS20	350	200	200	100 @ 150	1.0 @ 100	50		3000	SOT-23-1
BAS21	350	200	250	100 @ 200	1.0 @ 100	50		3000	SOT-23-1
BAW56	350	200	100	2500 @ 70	1.0 @ 50	4		3000	SOT-23-2
BAV70	350	200	100	5000 @ 70	1.0 @ 50	4		3000	SOT-23-3
BAV99	350	200	100	2500 @ 70	1.0 @ 50	4		3000	SOT-23-4
BAL99	350	200	100	2500 @ 70	1.0 @ 50	4		3000	SOT-23-5
BAV16W	350	200	100	1000 @ 75	0.86 @ 10	6		3000	SOD-123
410-500mW									
BAV19W	410	200	120	100 @ 100	1.0 @ 100	50		3000	SOD-123
BAV20W	410	200	200	100 @ 150	1.0 @ 100	50		3000	SOD-123
BAV21W	410	200	250	100 @ 200	1.0 @ 100	50		3000	SOD-123
1N4148W	410	150	100	2500 @ 75	1.0 @ 50	4		3000	SOD-123
1N4150W	410	200	50	100 @ 50	0.72/1.0 @ 5.0/100	4		3000	SOD-123
1N4448W	500	150	100	2500 @ 75	1.0 @ 200	4		3000	SOD-123
1N4151W	500	150	75	50 @ 50	1.0 @ 10	2		3000	SOD-123
1N914	500	200	100	25 @ 20	1.0 @ 10	4	1000	10000	DO-35
1N4148	500	200	100	25 @ 20	1.0 @ 10	4	1000	10000	DO-35
LL4148	500	150	100	25 @ 20	1.0 @ 10	4		2500	Mini-Melf



BRIDGE RECTIFIERS

THROUGH HOLE

V_{PR} (V) I_b (A)	50	100	200	400	600	800	1000	PACKAGE
1.0	DI100	DI101	DI102	DI104	DI106	DI108	DI1010	DIP
1.5	DI150	DI151	DI152	DI154	DI156	DI158	DI1510	DIP
1.5	W005G	W01G	W02G	W04G	W06G	W08G	W010G	AM
1.5	KBP005M	KBP01M	KBP02M	KBP04M	KBP06M	KBP08M	KBP010M	KBPM
2.0	2KBP005M	2KBP01M	2KBP02M	2KBP04M	2KBP06M	2KBP08M	2KBP010M	KBPM
3.0	CP300	CP301	CP302	CP304	CP306	CP308	CP3010	CP-3
4.0	KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL010	KBL
4.0	KBU4A	KBU4B	KBU4D	KBU4G	KBU4J	KBU4K		KBU
4.0	GBU4A	GBU4B	GBU4D	GBU4G	GBU4J	GBU4K		GBU
6.0	KBU6A	KBU6B	KBU6D	KBU6G	KBU6J	KBU6K		KBU
6.0	GBU6A	GBU6B	GBU6D	GBU6G	GBU6J	GBU6K		GBU
6.0	KBPC600	KBPC601	KBPC602	KBPC604	KBPC606	KBPC608		KBPC-6
8.0	KBU8A	KBU8B	KBU8D	KBU8G	KBU8J	KBU8K		KBU
8.0	GBU8A	GBU8B	GBU8D	GBU8G	GBU8J	GBU8K		GBU
8.0	KBPC800	KBPC801	KBPC802	KBPC804	KBPC806	KBPC808		KBPCP-8
10.0	CP1000	CP1001	CP1002	CP1004	CP1006	CP1008		CP-10
10.0	KBPC1000(W)	KBPC1001(W)	KBPC1002(W)	KBPC1004(W)	KBPC1006(W)	KBPC1008(W)		KBPC(W)
15.0	KBPC1500(W)	KBPC1501(W)	KBPC1502(W)	KBPC1504(W)	KBPC1506(W)	KBPC1508(W)		KBPC(W)
25.0	KBPC2500(W)	KBPC2501(W)	KBPC2502(W)	KBPC2504(W)	KBPC2506(W)	KBPC2508(W)		KBPC(W)
35.0	KBPC3500(W)	KBPC3501(W)	KBPC3502(W)	KBPC3504(W)	KBPC3506(W)	KBPC3508(W)		KBPC(W)
15.0	CP1500	CP1501	CP1502	CP1504	CP1506	CP1508		CP(W)
25.0	CP2500	CP2501	CP2502	CP2504	CP2506	CP2508		CP(W)
35.0	CP3500	CP3501	CP3502	CP3504	CP3506	CP3508		CP(W)
15.0	GL1500	GL1501	GL1502	GL1504	GL1506	GL1508		GL
25.0	GL2500	GL2501	GL2502	GL2504	GL2506	GL2508		GL
35.0	GL3500	GL3501	GL3502	GL3504	GL3506	GL3508		GL

***NOTE: 40A & 50A AVAILABLE FROM 50V TO 1000V

SURFACE MOUNT

V_{PR} (V) I_b (A)	50	100	200	400	600	800	1000	PACKAGE
0.5		B1S	B2S	B4S	B6S	B8S		SMDI
1.0	DI100S	DI101S	DI102S	DI104S	DI106S	DI108S	DI1010S	SDIP
1.5	DI150S	DI151S	DI152S	DI154S	DI156S	DI158S	DI1510S	SDIP

TRANSIENT VOLTAGE SUPPRESSOR (TVS) DIODES

THROUGH HOLE

P _D (W)		400		600		1500			
PACKAGE		DO-41		DO-15		DO-201AE			
V _{RRM} (V)	V _{BR} (V) Min - Max	DIRECTIONAL		DIRECTIONAL		DIRECTIONAL			
		UNI	BI	UNI	BI	UNI	JEDEC Part Number	BI	JEDEC Part Number
5.50	6.12 - 7.48	P4KE6.8	P4KE6.8C	P6KE6.8	P6KE6.8C	1.5KE6.8	1N6267	1.5KE6.8C	1N6267C
5.80	6.45 - 7.14	P4KE6.8A	P4KE6.8CA	P6KE6.8A	P6KE6.8CA	1.5KE6.8A	1N6267A	1.6KE6.8CA	1N6267CA
6.05	6.75 - 8.25	P4KE7.5	P4KE7.5C	P6KE7.5	P6KE7.5C	1.5KE7.5	1N6268	1.5KE7.5C	1N6268C
6.40	7.13 - 7.88	P4KE7.5A	P4KE7.5CA	P6KE7.5A	P6KE7.5CA	1.5KE7.5A	1N6268A	1.5KE7.5CA	1N6268CA
6.63	7.38 - 9.02	P4KE8.2	P4KE8.2C	P6KE8.2	P6KE8.2C	1.5KE8.2	1N6269	1.5KE8.2C	1N6269C
7.02	7.79 - 8.61	P4KE8.2A	P4KE8.2CA	P6KE8.2A	P6KE8.2CA	1.5KE8.2A	1N6269A	1.5KE8.2CA	1N6269CA
7.37	8.19 - 10.0	P4KE9.1	P4KE9.1C	P6KE9.1	P6KE9.1C	1.5KE9.1	1N6270	1.5KE9.1C	1N6270C
7.78	8.65 - 9.59	P4KE9.1A	P4KE9.1CA	P6KE9.1A	P6KE9.1CA	1.5KE9.1A	1N6270A	1.5KE9.1CA	1N6270CA
8.10	9.00 - 11.0	P4KE10	P4KE10C	P6KE10	P6KE10C	1.5KE10	1N6271	1.5KE10C	1N6271C
8.55	9.50 - 10.5	P4KE10A	P4KE10CA	P6KE10A	P6KE10CA	1.5KE10A	1N6271A	1.5KE10CA	1N6271CA
8.92	9.90 - 12.1	P4KE11	P4KE11C	P6KE11	P6KE11C	1.5KE11	1N6272	1.5KE11C	1N6272C
9.40	10.5 - 11.6	P4KE11A	P4KE11CA	P6KE11A	P6KE11CA	1.5KE11A	1N6272A	1.5KE11CA	1N6272CA
9.72	10.8 - 13.2	P4KE12	P4KE12C	P6KE12	P6KE12C	1.5KE12	1N6273	1.5KE12C	1N6273C
10.2	11.4 - 12.6	P4KE12A	P4KE12CA	P6KE12A	P6KE12CA	1.5KE12A	1N6273A	1.5KE12CA	1N6273CA
10.5	11.7 - 14.3	P4KE13	P4KE13C	P6KE13	P6KE13C	1.5KE13	1N6274	1.5KE13C	1N6274C
11.1	12.4 - 13.7	P4KE13A	P4KE13CA	P6KE13A	P6KE13CA	1.5KE13A	1N6274A	1.5KE13CA	1N6274CA
12.1	13.5 - 16.5	P4KE15	P4KE15C	P6KE15	P6KE15C	1.5KE15	1N6275	1.5KE15C	1N6275C
12.8	14.3 - 15.8	P4KE15A	P4KE15CA	P6KE15A	P6KE15CA	1.5KE15A	1N6275A	1.5KE15CA	1N6275CA
12.9	14.4 - 17.6	P4KE16	P4KE16C	P6KE16	P6KE16C	1.5KE16	1N6276	1.5KE16C	1N6276C
13.6	15.2 - 16.8	P4KE16A	P4KE16CA	P6KE16A	P6KE16CA	1.5KE16A	1N6276A	1.5KE16CA	1N6276CA
14.5	16.2 - 19.8	P4KE18	P4KE18C	P6KE18	P6KE18C	1.5KE18	1N6277	1.5KE18C	1N6277C
15.3	17.1 - 18.9	P4KE18A	P4KE18CA	P6KE18A	P6KE18CA	1.5KE18A	1N6277A	1.5KE18CA	1N6277CA
16.2	18.0 - 22.0	P4KE20	P4KE20C	P6KE20	P6KE20C	1.5KE20	1N6278	1.5KE20C	1N6278C
17.1	19.0 - 21.0	P4KE20A	P4KE20CA	P6KE20A	P6KE20CA	1.5KE20A	1N6278A	1.5KE20CA	1N6278CA
17.8	19.8 - 24.2	P4KE22	P4KE22C	P6KE22	P6KE22C	1.5KE22	1N6279	1.5KE22C	1N6279C
18.8	20.9 - 23.1	P4KE22A	P4KE22CA	P6KE22A	P6KE22CA	1.5KE22A	1N6279A	1.5KE22CA	1N6279CA
19.4	21.6 - 26.4	P4KE24	P4KE24C	P6KE24	P6KE24C	1.5KE24	1N6280	1.5KE24C	1N280C
20.5	22.8 - 25.2	P4KE24A	P4KE24CA	P6KE24A	P6KE24CA	1.5KE24A	1N6280A	1.5KE24CA	1N280CA
21.8	24.3 - 29.7	P4KE27	P4KE27C	P6KE27	P6KE27C	1.5KE27	1N6281	1.5KE27C	1N6281C
23.1	25.7 - 28.4	P4KE27A	P4KE27CA	P6KE27A	P6KE27CA	1.5KE27A	1N6281A	1.5KE27CA	1N6281CA
24.3	27.0 - 33.0	P4KE30	P4KE30C	P6KE30	P6KE30C	1.5KE30	1N6282	1.5KE30C	1N6282C
25.6	28.5 - 31.5	P4KE30A	P4KE30CA	P6KE30A	P6KE30CA	1.5KE30A	1N6282A	1.5KE30CA	1N6282CA
26.8	29.7 - 36.3	P4KE33	P4KE33C	P6KE33	P6KE33C	1.5KE33	1N6283	1.5KE33C	1N6283C
28.2	31.4 - 34.7	P4KE33A	P4KE33CA	P6KE33A	P6KE33CA	1.5KE33A	1N6263A	1.5KE33CA	1N6283CA
29.1	32.4 - 39.6	P4KE36	P4KE36C	P6KE36	P6KE36C	1.5KE36	1N6264	1.5KE36C	1N6284C
30.8	34.2 - 37.8	P4KE36A	P4KE36CA	P6KE36A	P6KE36CA	1.5KE36A	1N6264A	1.5KE36CA	1N6284CA
31.6	35.1 - 42.9	P4KE39	P4KE39C	P6KE39	P6KE39C	1.5KE39	1N6285	1.5KE39C	1N6285C
33.3	37.1 - 41.0	P4KE39A	P4KE39CA	P6KE39A	P6KE39CA	1.5KE39A	1N6285A	1.5KE39CA	1N6285CA
34.8	38.7 - 47.3	P4KE43	P4KE43C	P6KE43	P6KE43C	1.5KE43	1N6286	1.5KE43C	1N6286C
36.8	40.9 - 45.2	P4KE43A	P4KE43CA	P6KE43A	P6KE43CA	1.5KE43A	1N6286A	1.5KE43CA	1N6286CA
38.1	42.3 - 51.7	P4KE47	P4KE47C	P6KE47	P6KE47C	1.5KE47	1N6287	1.5KE47C	1N6287C
40.2	44.7 - 49.4	P4KE47A	P4KE47CA	P6KE47A	P6KE47CA	1.5KE47A	1N6287A	1.5KE47CA	1N6287CA
41.3	45.9 - 56.1	P4KE51	P4KE51C	P6KE51	P6KE51C	1.5KE51	1N6288	1.5KE51C	1N6288C
43.6	48.5 - 53.6	P4KE51A	P4KE51CA	P6KE51A	P6KE51CA	1.5KE51A	1N6288A	1.5KE51CA	1N6288CA
45.6	50.4 - 61.6	P4KE56	P4KE56C	P6KE56	P6KE56C	1.5KE56	1N6289	1.5KE56C	1N6289C
47.8	53.2 - 58.5	P4KE56A	P4KE56CA	P6KE56A	P6KE56CA	1.5KE56A	1N6289A	1.5KE56CA	1N6289CA
50.2	55.8 - 68.2	P4KE62	P4KE62C	P6KE62	P6KE62C	1.5KE62	1N6290	1.5KE62C	1N6290C
53.0	58.9 - 65.1	P4KE62A	P4KE62CA	P6KE62A	P6KE62CA	1.5KE62A	1N6290A	1.5KE62CA	1N6290CA
55.1	61.2 - 74.8	P4KE68	P4KE68C	P6KE68	P6KE68C	1.5KE68	1N6291	1.5KE68C	1N6291C
58.1	64.6 - 71.4	P4KE68A	P4KE68CA	P6KE68A	P6KE68CA	1.5KE68A	1N6291A	1.5KE68CA	1N6291CA
60.7	67.5 - 82.5	P4KE75	P4KE75C	P6KE75	P6KE75C	1.5KE75	1N6292	1.5KE75C	1N6292C
64.1	71.3 - 78.8	P4KE75A	P4KE75CA	P6KE75A	P6KE75CA	1.5KE75A	1N6292A	1.5KE75CA	1N6292CA
66.4	73.8 - 90.2	P4KE82	P4KE82C	P6KE82	P6KE82C	1.5KE82	1N6293	1.5KE82C	1N6293C
70.1	77.9 - 86.1	P4KE82A	P4KE82CA	P6KE82A	P6KE82CA	1.5KE82A	1N6293A	1.5KE82CA	1N6293CA
73.7	81.9 - 100.0	P4KE91	P4KE91C	P6KE91	P6KE91C	1.5KE91	1N6294	1.5KE91C	1N6294C
77.8	86.5 - 95.5	P4KE91A	P4KE91CA	P6KE91A	P6KE91CA	1.5KE91A	1N6294A	1.5KE91CA	1N6294CA
81.0	90.0 - 110.0	P4KE100	P4KE100C	P6KE100	P6KE100C	1.5KE100	1N6295	1.5KE100C	1N6295C
85.5	95.0 - 105.0	P4KE100A	P4KE100CA	P6KE100A	P6KE100CA	1.5KE100A	1N6295A	1.5KE100CA	1N6295CA
89.2	99.0 - 121.0	P4KE110	P4KE110C	P6KE110	P6KE110C	1.5KE110	1N6296	1.5KE110C	1N6296C
94.0	105.0 - 116.0	P4KE110A	P4KE110CA	P6KE110A	P6KE110CA	1.5KE110A	1N6296A	1.5KE110CA	1N6296CA
97.2	108.0 - 132.0	P4KE120	P4KE120C	P6KE120	P6KE120C	1.5KE120	1N6297	1.5KE120C	1N6297C
102.0	114.0 - 126.0	P4KE120A	P4KE120CA	P6KE120A	P6KE120CA	1.5KE120A	1N6297A	1.5KE120CA	1N6297CA
105.0	117.0 - 143.0	P4KE130	P4KE130C	P6KE130	P6KE130C	1.5KE130	1N6298	1.5KE130C	1N6298C
111.0	124.0 - 137.0	P4KE130A	P4KE130CA	P6KE130A	P6KE130CA	1.5KE130A	1N6298A	1.5KE130CA	1N6298CA
121.0	135.0 - 165.0	P4KE150	P4KE150C	P6KE150	P6KE150C	1.5KE150	1N6299	1.5KE150C	1N6299C
128.0	143.0 - 158.0	P4KE150A	P4KE150CA	P6KE150A	P6KE150CA	1.5KE150A	1N6299A	1.5KE150CA	1N6299CA
130.0	144.0 - 126.0	P4KE160	P4KE160C	P6KE160	P6KE160C	1.5KE160	1N6300	1.5KE160C	1N6300C
136.0	152.0 - 168.0	P4KE160A	P4KE160CA	P6KE160A	P6KE160CA	1.5KE160A	1N6300A	1.5KE160CA	1N6300CA
138.0	153.0 - 187.0	P4KE170	P4KE170C	P6KE170	P6KE170C	1.5KE170	1N6301	1.5KE170C	1N6301C
145.0	162.0 - 179.0	P4KE170A	P4KE170CA	P6KE170A	P6KE170CA	1.5KE170A	1N6301A	1.5KE170CA	1N6301CA
146.0	162.0 - 198.0	P4KE180	P4KE180C	P6KE180	P6KE180C	1.5KE180	1N6302	1.5KE180C	1N6302C
154.0	171.0 - 189.0	P4KE180A	P4KE180CA	P6KE180A	P6KE180CA	1.5KE180A	1N6302A	1.5KE180CA	1N6302CA
162.0	180.0 - 220.0	P4KE200	P4KE200C	P6KE200	P6KE200C	1.5KE200	1N6303	1.5KE200C	1N6303C
171.0	190.0 - 210.0	P4KE200A	P4KE200CA	P6KE200A	P6KE200CA	1.5KE200A	1N6303A	1.5KE200CA	1N6303CA
175.0	198.0 - 242.0	P4KE220	P4KE220C	P6KE220	P6KE220C	1.5KE220		1.5KE220C	
185.0	209.0 - 231.0	P4KE220A	P4KE220CA	P6KE220A	P6KE220CA	1.5KE220A		1.5KE220CA	
202.0	225.0 - 275.0	P4KE250	P4KE250C	P6KE250	P6KE250C	1.5KE250		1.5KE250C	
214.0	237.0 - 263.0	P4KE250A	P4KE250CA	P6KE250A	P6KE250CA	1.5KE250A		1.5KE250CA	
243.0	270.0 - 330.0	P4KE300	P4KE300C	P6KE300	P6KE300C	1.5KE300		1.5KE300C	
256.0	285.0 - 315.0	P4KE300A	P4KE300CA	P6KE300A	P6KE300CA	1.5KE300A		1.5KE300CA	
284.0	315.0 - 385.0	P4KE350	P4KE350C	P6KE350	P6KE350C	1.5KE350		1.5KE350C	
300.0	332.0 - 368.0	P4KE350A	P4KE350CA	P6KE350A	P6KE350CA	1.5KE350A		1.5KE350CA	
324.0	360.0 - 440.0	P4KE400	P4KE400C	P6KE400	P6KE400C	1.5KE400		1.5KE400C	
342.0	380.0 - 420.0	P4KE400A	P4KE400CA	P6KE400A	P6KE400CA	1.5KE400A		1.5KE400CA	
356.0	396.0 - 484.0	P4KE440	P4KE440C	P6KE440	P6KE440C	1.5KE440		1.5KE440C	
376.0	418.0 - 462.0	P4KE440A	P4KE440CA	P6KE440A	P6KE440CA	1.5KE440A		1.5KE440CA	

TRANSIENT VOLTAGE SUPPRESSOR (TVS) DIODES

THROUGH HOLE (CONTINUED)

P _D (W)		500		3000		5000	
PACKAGE		DO-15		P600		P600	
V _{RWM} (V)	V _{BR} (V) Min - Max	DIRECTIONAL		DIRECTIONAL		DIRECTIONAL	
		UNI	BI	UNI	BI	UNI	BI
5.00	6.40 - 7.55	SA5.0	SA5.0C	3KP5.0	3KP5.0C	5KP5.0	5KP5.0C
5.00	6.40 - 7.55	SA5.0A	SA5.0CA	3KP5.0A	3KP5.0CA	5KP5.0A	5KP5.0CA
6.00	6.67 - 8.45	SA6.0	SA6.0C	3KP6.0	3KP6.0A	5KP6.0	5KP6.0C
6.00	6.67 - 7.67	SA6.0A	SA6.0CA	3KP6.0A	3KP6.0CA	5KP6.0A	5KP6.0CA
6.50	7.22 - 9.14	SA6.5	SA6.5C	3KP6.5	3KP6.5C	5KP6.5	5KP6.5C
6.50	7.22 - 8.30	SA6.5A	SA6.5CA	3KP6.5A	3KP6.5CA	5KP6.5A	5KP6.5CA
7.00	7.78 - 9.86	SA7.0	SA7.0C	3KP7.0	3KP7.0	5KP7.0	5KP7.0C
7.00	7.78 - 8.98	SA7.0A	SA7.0CA	3KP7.0A	3KP7.0CA	5KP7.0A	5KP7.0CA
7.50	8.33 - 10.67	SA7.5	SA7.5C	3KP7.5	3KP7.5C	5KP7.5	5KP7.5C
7.50	8.33 - 9.58	SA7.5A	SA7.5CA	3KP7.5A	3KP7.5CA	5KP7.5A	5KP7.5CA
8.00	8.89 - 11.3	SA8.0	SA8.0C	3KP8.0	3KP8.0C	5KP8.0	5KP8.0C
8.00	8.89 - 10.23	SA8.0A	SA8.0CA	3KP8.0A	3KP8.0CA	5KP8.0A	5KP8.0CA
8.50	9.44 - 11.92	SA8.5	SA8.5C	3KP8.5	3KP8.5C	5KP8.5	5KP8.5C
8.50	9.44 - 10.82	SA8.5A	SA8.5CA	3KP8.5A	3KP8.5CA	5KP8.5A	5KP8.5CA
9.00	10.0 - 12.6	SA9.0	SA9.0C	3KP9.0	3KP9.0C	5KP9.0	5KP9.0C
9.00	10.0 - 11.5	SA9.0A	SA9.0CA	3KP9.0A	3KP9.0CA	5KP9.0A	5KP9.0CA
10.0	11.1 - 14.1	SA10	SA10C	3KP10	3KP10C	5KP10	5KP10C
10.0	11.1 - 12.8	SA10A	SA10CA	3KP10A	3KP10CA	5KP10A	5KP10CA
11.0	12.2 - 15.4	SA11	SA11C	3KP11	3KP11C	5KP11	5KP11C
11.0	12.2 - 14.0	SA11A	SA11CA	3KP11A	3KP11CA	5KP11A	5KP11CA
12.0	13.3 - 16.9	SA12	SA12C	3KP12	3KP12C	5KP12	5KP12C
12.0	13.3 - 15.3	SA12A	SA12CA	3KP12A	3KP12CA	5KP12A	5KP12CA
13.0	14.4 - 18.2	SA13	SA13C	3KP13	3KP13C	5KP13	5KP13C
13.0	14.4 - 16.5	SA13A	SA13CA	3KP13A	3KP13CA	5KP13A	5KP13CA
14.0	15.6 - 19.8	SA14	SA14C	3KP14	3KP14C	5KP14	5KP14C
14.0	15.6 - 17.9	SA14A	SA14CA	3KP14A	3KP14CA	5KP14A	5KP14CA
15.0	16.7 - 21.1	SA15	SA15C	3KP15	3KP15C	5KP15	5KP15C
15.0	16.7 - 19.2	SA15A	SA15CA	3KP15A	3KP15CA	5KP15A	5KP15CA
16.0	17.8 - 22.6	SA16	SA16C	3KP16	3KP16C	5KP16	5KP16C
16.0	17.8 - 20.5	SA16A	SA16CA	3KP16A	3KP16CA	5KP16A	5KP16CA
17.0	18.9 - 23.9	SA17	SA17C	3KP17	3KP17C	5KP17	5KP17C
17.0	18.9 - 21.7	SA17A	SA17CA	3KP17A	3KP17CA	5KP17A	5KP17CA
18.0	20.0 - 25.3	SA18	SA18C	3KP18	3KP18C	5KP18	5KP18C
18.0	20.0 - 23.3	SA18A	SA18CA	3KP18A	3KP18CA	5KP18A	5KP18CA
20.0	22.2 - 28.1	SA20	SA20C	3KP20	3KP20C	5KP20	5KP20C
20.0	22.2 - 25.5	SA20A	SA20CA	3KP20A	3KP20CA	5KP20A	5KP20CA
22.0	24.4 - 30.9	SA22	SA22C	3KP22	3KP22C	5KP22	5KP22C
22.0	24.4 - 28.0	SA22A	SA22CA	3KP22A	3KP22CA	5KP22A	5KP22CA
24.0	26.7 - 33.8	SA24	SA24C	3KP24	3KP24C	5KP24	5KP24C
24.0	26.7 - 30.7	SA24A	SA24CA	3KP24A	3KP24CA	5KP24A	5KP24CA
26.0	28.9 - 36.6	SA26	SA26C	3KP26	3KP26C	5KP26	5KP26C
26.0	28.9 - 33.2	SA26A	SA26CA	3KP26A	3KP26CA	5KP26A	5KP26CA
28.0	31.1 - 39.4	SA28	SA28C	3KP28	3KP28C	5KP28	5KP28C
28.0	31.1 - 35.8	SA28A	SA28CA	3KP28A	3KP28CA	5KP28A	5KP28CA
30.0	33.3 - 42.2	SA30	SA30C	3KP30	3KP30C	5KP30	5KP30C
30.0	33.3 - 38.3	SA30A	SA30CA	3KP30A	3KP30CA	5KP30A	5KP30CA
33.0	36.7 - 46.5	SA33	SA33C	3KP33	3KP33C	5KP33	5KP33C
33.0	36.7 - 42.2	SA33A	SA33CA	3KP33A	3KP33CA	5KP33A	5KP33CA
36.0	40.0 - 50.7	SA36	SA36C	3KP36	3KP36C	5KP36	5KP36C
36.0	40.0 - 46.0	SA36A	SA36CA	3KP36A	3KP36CA	5KP36A	5KP36CA
40.0	44.4 - 56.3	SA40	SA40C	3KP40	3KP40C	5KP40	5KP40C
40.0	44.4 - 51.1	SA40A	SA40CA	3KP40A	3KP40CA	5KP40A	5KP40CA
43.0	47.8 - 60.5	SA43	SA43C	3KP43	3KP43C	5KP43	5KP43C
43.0	47.8 - 54.9	SA43A	SA43CA	3KP43A	3KP43CA	5KP43A	5KP43CA
45.0	50.0 - 63.3	SA45	SA45C	3KP45	3KP45C	5KP45	5KP45C
45.0	50.0 - 57.5	SA45A	SA45CA	3KP45A	3KP45CA	5KP45A	5KP45CA
48.0	53.3 - 67.5	SA48	SA48C	3KP48	3KP48C	5KP48	5KP48C
48.0	53.3 - 61.3	SA48A	SA48CA	3KP48A	3KP48CA	5KP48A	5KP48CA
51.0	56.7 - 71.8	SA51	SA51C	3KP51	3KP51C	5KP51	5KP51C
51.0	56.7 - 65.2	SA51A	SA51CA	3KP51A	3KP51CA	5KP51A	5KP51CA
54.0	60.0 - 76.0	SA54	SA54C	3KP54	3KP54C	5KP54	5KP54C
54.0	60.0 - 69.0	SA54A	SA54CA	3KP54A	3KP54CA	5KP54A	5KP54CA
58.0	64.4 - 81.6	SA58	SA58C	3KP58	3KP58C	5KP58	5KP58C
58.0	64.4 - 74.1	SA58A	SA58CA	3KP58A	3KP58CA	5KP58A	5KP58CA
60.0	66.7 - 84.5	SA60	SA60C	3KP60	3KP60C	5KP60	5KP60C
60.0	66.7 - 76.7	SA60A	SA60CA	3KP60A	3KP60CA	5KP60A	5KP60CA
64.0	71.1 - 90.1	SA64	SA64C	3KP64	3KP64C	5KP64	5KP64C
64.0	71.1 - 81.8	SA64A	SA64CA	3KP64A	3KP64CA	5KP64A	5KP64CA
70.0	77.8 - 98.6	SA70	SA70C	3KP70	3KP70C	5KP70	5KP70C
70.0	77.8 - 89.5	SA70A	SA70CA	3KP70A	3KP70CA	5KP70A	5KP70CA
75.0	83.3 - 105.7	SA75	SA75C	3KP75	3KP75C	5KP75	5KP75C
75.0	83.3 - 99.7	SA75A	SA75CA	3KP75A	3KP75CA	5KP75A	5KP75CA
78.0	86.7 - 109.8	SA78	SA78C	3KP78	3KP78C	5KP78	5KP78C
78.0	86.7 - 99.7	SA78A	SA78CA	3KP78A	3KP78CA	5KP78A	5KP78CA
85.0	94.4 - 119.2	SA85	SA85C	3KP85	3KP85C	5KP85	5KP85C
85.0	94.4 - 108.2	SA85A	SA85CA	3KP85A	3KP85CA	5KP85A	5KP85CA
90.0	100.0 - 126.5	SA90	SA90C	3KP90	3KP90C	5KP90	5KP90C
90.0	100.0 - 115.5	SA90A	SA90CA	3KP90A	3KP90CA	5KP90A	5KP90CA
100.0	111.0 - 141.0	SA100	SA100C	3KP100	3KP100C	5KP100	5KP100C
100.0	111.0 - 128.0	SA100A	SA100CA	3KP100A	3KP100CA	5KP100A	5KP100CA
110.0	122.0 - 154.5	SA110	SA110C	3KP110	3KP110C	5KP110	5KP110C
110.0	122.0 - 140.5	SA110A	SA110CA	3KP110A	3KP110CA	5KP110A	5KP110CA
120.0	133.0 - 169.0	SA120	SA120C	3KP120	3KP120C	5KP120	5KP120C
120.0	133.0 - 169.0	SA120A	SA120CA	3KP120A	3KP120CA	5KP120A	5KP120CA
130.0	144.0 - 182.5	SA130	SA130C	3KP130	3KP130C	5KP130	5KP130C
130.0	144.0 - 165.5	SA130A	SA130CA	3KP130A	3KP130CA	5KP130A	5KP130CA
150.0	167.0 - 211.5	SA150	SA150C	3KP150	3KP150C	5KP150	5KP150C
150.0	167.0 - 192.5	SA150A	SA150CA	3KP150A	3KP150CA	5KP150A	5KP150CA
160.0	178.0 - 226.0	SA160	SA160C	3KP160	3KP160C	5KP160	5KP160C
160.0	178.0 - 205.0	SA160A	SA160CA	3KP160A	3KP160CA	5KP160A	5KP160CA
170.0	189.0 - 239.5	SA170	SA170C	3KP170	3KP170C	5KP170	5KP170C

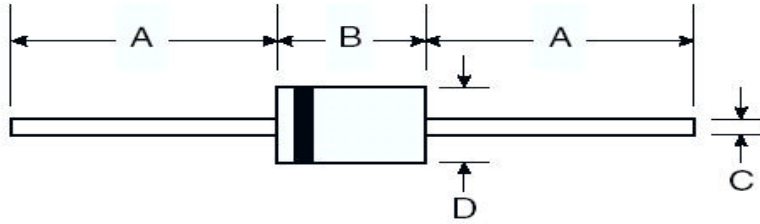
TRANSIENT VOLTAGE SUPPRESSOR (TVS) DIODES

SURFACE MOUNT

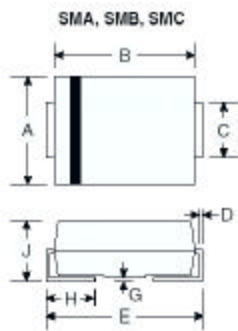
P _D (W)		400		600		1500		3000	
PACKAGE		SMA (DO-214AC)		SMB (DO214AA)		SMC (DO-214AB)		SMC (DO-214AB)	
V _{RRM} (V)	V _{BR} (V) Min - Max	DIRECTIONAL		DIRECTIONAL		DIRECTIONAL		DIRECTIONAL	
		UNI	BI	UNI	BI	UNI	BI	UNI	BI
5.0	6.40 - 7.55	P4SMAJ5.0	P4SMAJ5.0C	P6SMBJ5.0	P6SMBJ5.0C	1.5SMCJ5.0	1.5SMCJ5.0C	3.0SMCJ5.0	3.0SMCJ5.0C
5.0	9.44 - 7.25	P4SMAJ5.0A	P4SMAJ5.0CA	P6SMBJ5.0A	P6SMBJ5.0CA	1.5SMCJ5.0A	1.5SMCJ5.0CA	3.0SMCJ5.0A	3.0SMCJ5.0CA
6.0	6.67 - 8.45	P4SMAJ6.0	P4SMAJ6.0C	P6SMBJ6.0	P6SMBJ6.0C	1.5SMCJ6.0	1.5SMCJ6.0C	3.0SMCJ6.0	3.0SMCJ6.0C
6.0	6.67 - 7.67	P4SMAJ6.0A	P4SMAJ6.0CA	P6SMBJ6.0A	P6SMBJ6.0CA	1.5SMCJ6.0A	1.5SMCJ6.0CA	3.0SMCJ6.0A	3.0SMCJ6.0CA
6.5	7.22 - 9.14	P4SMAJ6.5	P4SMAJ6.5C	P6SMBJ6.5	P6SMBJ6.5C	1.5SMCJ6.5	1.5SMCJ6.5C	3.0SMCJ6.5	3.0SMCJ6.5C
6.5	7.22 - 8.30	P4SMAJ6.5A	P4SMAJ6.5CA	P6SMBJ6.5A	P6SMBJ6.5CA	1.5SMCJ6.5A	1.5SMCJ6.5CA	3.0SMCJ6.5A	3.0SMCJ6.5CA
7.0	7.78 - 9.86	P4SMAJ7.0	P4SMAJ7.0C	P6SMBJ7.0	P6SMBJ7.0C	1.5SMCJ7.0	1.5SMCJ7.0C	3.0SMCJ7.0	3.0SMCJ7.0C
7.0	7.78 - 8.95	P4SMAJ7.0A	P4SMAJ7.0CA	P6SMBJ7.0A	P6SMBJ7.0CA	1.5SMCJ7.0A	1.5SMCJ7.0CA	3.0SMCJ7.0A	3.0SMCJ7.0CA
7.5	8.33 - 10.67	P4SMAJ7.5	P4SMAJ7.5C	P6SMBJ7.5	P6SMBJ7.5C	1.5SMCJ7.5	1.5SMCJ7.5C	3.0SMCJ7.5	3.0SMCJ7.5C
7.5	8.33 - 9.58	P4SMAJ7.5A	P4SMAJ7.5CA	P6SMBJ7.5A	P6SMBJ7.5CA	1.5SMCJ7.5A	1.5SMCJ7.5CA	3.0SMCJ7.5A	3.0SMCJ7.5CA
8.0	8.89 - 11.30	P4SMAJ8.0	P4SMAJ8.0C	P6SMBJ8.0	P6SMBJ8.0C	1.5SMCJ8.0	1.5SMCJ8.0C	3.0SMCJ8.0	3.0SMCJ8.0C
8.0	8.89 - 10.23	P4SMAJ8.0A	P4SMAJ8.0CA	P6SMBJ8.0A	P6SMBJ8.0CA	1.5SMCJ8.0A	1.5SMCJ8.0CA	3.0SMCJ8.0A	3.0SMCJ8.0CA
8.5	9.44 - 11.92	P4SMAJ8.5	P4SMAJ8.5C	P6SMBJ8.5	P6SMBJ8.5C	1.5SMCJ8.5	1.5SMCJ8.5C	3.0SMCJ8.5	3.0SMCJ8.5C
8.5	9.44 - 10.82	P4SMAJ8.5A	P4SMAJ8.5CA	P6SMBJ8.5A	P6SMBJ8.5CA	1.5SMCJ8.5A	1.5SMCJ8.5CA	3.0SMCJ8.5A	3.0SMCJ8.5CA
9.0	10.00 - 12.60	P4SMAJ9.0	P4SMAJ9.0C	P6SMBJ9.0	P6SMBJ9.0C	1.5SMCJ9.0	1.5SMCJ9.0C	3.0SMCJ9.0	3.0SMCJ9.0C
9.0	10.00 - 11.50	P4SMAJ9.0A	P4SMAJ9.0CA	P6SMBJ9.0A	P6SMBJ9.0CA	1.5SMCJ9.0A	1.5SMCJ9.0CA	3.0SMCJ9.0A	3.0SMCJ9.0CA
10.0	11.10 - 14.10	P4SMAJ10	P4SMAJ10C	P6SMBJ10	P6SMBJ10C	1.5SMCJ10	1.5SMCJ10C	3.0SMCJ10	3.0SMCJ10C
10.0	11.10 - 12.80	P4SMAJ10A	P4SMAJ10CA	P6SMBJ10A	P6SMBJ10CA	1.5SMCJ10A	1.5SMCJ10CA	3.0SMCJ10A	3.0SMCJ10CA
11.0	12.20 - 15.40	P4SMAJ11	P4SMAJ11C	P6SMBJ11	P6SMBJ11C	1.5SMCJ11	1.5SMCJ11C	3.0SMCJ11	3.0SMCJ11C
11.0	12.20 - 14.00	P4SMAJ11A	P4SMAJ11CA	P6SMBJ11A	P6SMBJ11CA	1.5SMCJ11A	1.5SMCJ11CA	3.0SMCJ11A	3.0SMCJ11CA
12.0	15.60 - 19.80	P4SMAJ12	P4SMAJ12C	P6SMBJ12	P6SMBJ12C	1.5SMCJ12	1.5SMCJ12C	3.0SMCJ12	3.0SMCJ12C
12.0	15.60 - 17.90	P4SMAJ12A	P4SMAJ12CA	P6SMBJ12A	P6SMBJ12CA	1.5SMCJ12A	1.5SMCJ12CA	3.0SMCJ12A	3.0SMCJ12CA
13.0	16.70 - 21.10	P4SMAJ13	P4SMAJ13C	P6SMBJ13	P6SMBJ13C	1.5SMCJ13	1.5SMCJ13C	3.0SMCJ13	3.0SMCJ13C
13.0	16.70 - 19.20	P4SMAJ13A	P4SMAJ13CA	P6SMBJ13A	P6SMBJ13CA	1.5SMCJ13A	1.5SMCJ13CA	3.0SMCJ13A	3.0SMCJ13CA
14.0	15.60 - 19.80	P4SMAJ14	P4SMAJ14C	P6SMBJ14	P6SMBJ14C	1.5SMCJ14	1.5SMCJ14C	3.0SMCJ14	3.0SMCJ14C
14.0	15.60 - 17.90	P4SMAJ14A	P4SMAJ14CA	P6SMBJ14A	P6SMBJ14CA	1.5SMCJ14A	1.5SMCJ14CA	3.0SMCJ14A	3.0SMCJ14CA
15.0	16.70 - 21.10	P4SMAJ15	P4SMAJ15C	P6SMBJ15	P6SMBJ15C	1.5SMCJ15	1.5SMCJ15C	3.0SMCJ15	3.0SMCJ15C
15.0	16.70 - 19.20	P4SMAJ15A	P4SMAJ15CA	P6SMBJ15A	P6SMBJ15CA	1.5SMCJ15A	1.5SMCJ15CA	3.0SMCJ15A	3.0SMCJ15CA
16.0	17.80 - 22.60	P4SMAJ16	P4SMAJ16C	P6SMBJ16	P6SMBJ16C	1.5SMCJ16	1.5SMCJ16C	3.0SMCJ16	3.0SMCJ16C
16.0	17.80 - 20.50	P4SMAJ16A	P4SMAJ16CA	P6SMBJ16A	P6SMBJ16CA	1.5SMCJ16A	1.5SMCJ16CA	3.0SMCJ16A	3.0SMCJ16CA
17.0	18.90 - 23.90	P4SMAJ17	P4SMAJ17C	P6SMBJ17	P6SMBJ17C	1.5SMCJ17	1.5SMCJ17C	3.0SMCJ17	3.0SMCJ17C
17.0	18.90 - 21.70	P4SMAJ17A	P4SMAJ17CA	P6SMBJ17A	P6SMBJ17CA	1.5SMCJ17A	1.5SMCJ17CA	3.0SMCJ17A	3.0SMCJ17CA
18.0	20.00 - 25.30	P4SMAJ18	P4SMAJ18C	P6SMBJ18	P6SMBJ18C	1.5SMCJ18	1.5SMCJ18C	3.0SMCJ18	3.0SMCJ18C
18.0	20.00 - 23.30	P4SMAJ18A	P4SMAJ18CA	P6SMBJ18A	P6SMBJ18CA	1.5SMCJ18A	1.5SMCJ18CA	3.0SMCJ18A	3.0SMCJ18CA
20.0	22.20 - 28.10	P4SMAJ20	P4SMAJ20C	P6SMBJ20	P6SMBJ20C	1.5SMCJ20	1.5SMCJ20C	3.0SMCJ20	3.0SMCJ20C
20.0	22.20 - 25.50	P4SMAJ20A	P4SMAJ20CA	P6SMBJ20A	P6SMBJ20CA	1.5SMCJ20A	1.5SMCJ20CA	3.0SMCJ20A	3.0SMCJ20CA
22.0	24.40 - 30.90	P4SMAJ22	P4SMAJ22C	P6SMBJ22	P6SMBJ22C	1.5SMCJ22	1.5SMCJ22C	3.0SMCJ22	3.0SMCJ22C
22.0	24.40 - 28.00	P4SMAJ22A	P4SMAJ22CA	P6SMBJ22A	P6SMBJ22CA	1.5SMCJ22A	1.5SMCJ22CA	3.0SMCJ22A	3.0SMCJ22CA
24.0	26.70 - 33.80	P4SMAJ24	P4SMAJ24C	P6SMBJ24	P6SMBJ24C	1.5SMCJ24	1.5SMCJ24C	3.0SMCJ24	3.0SMCJ24C
24.0	26.70 - 30.70	P4SMAJ24A	P4SMAJ24CA	P6SMBJ24A	P6SMBJ24CA	1.5SMCJ24A	1.5SMCJ24CA	3.0SMCJ24A	3.0SMCJ24CA
26.0	28.90 - 36.60	P4SMAJ26	P4SMAJ26C	P6SMBJ26	P6SMBJ26C	1.5SMCJ26	1.5SMCJ26C	3.0SMCJ26	3.0SMCJ26C
26.0	28.90 - 33.20	P4SMAJ26A	P4SMAJ26CA	P6SMBJ26A	P6SMBJ26CA	1.5SMCJ26A	1.5SMCJ26CA	3.0SMCJ26A	3.0SMCJ26CA
28.0	31.10 - 39.40	P4SMAJ28	P4SMAJ28C	P6SMBJ28	P6SMBJ28C	1.5SMCJ28	1.5SMCJ28C	3.0SMCJ28	3.0SMCJ28C
28.0	31.10 - 35.80	P4SMAJ28A	P4SMAJ28CA	P6SMBJ28A	P6SMBJ28CA	1.5SMCJ28A	1.5SMCJ28CA	3.0SMCJ28A	3.0SMCJ28CA
30.0	33.30 - 42.20	P4SMAJ30	P4SMAJ30C	P6SMBJ30	P6SMBJ30C	1.5SMCJ30	1.5SMCJ30C	3.0SMCJ30	3.0SMCJ30C
30.0	33.30 - 38.30	P4SMAJ30A	P4SMAJ30CA	P6SMBJ30A	P6SMBJ30CA	1.5SMCJ30A	1.5SMCJ30CA	3.0SMCJ30A	3.0SMCJ30CA
33.0	36.70 - 46.50	P4SMAJ33	P4SMAJ33C	P6SMBJ33	P6SMBJ33C	1.5SMCJ33	1.5SMCJ33C	3.0SMCJ33	3.0SMCJ33C
33.0	36.70 - 42.20	P4SMAJ33A	P4SMAJ33CA	P6SMBJ33A	P6SMBJ33CA	1.5SMCJ33A	1.5SMCJ33CA	3.0SMCJ33A	3.0SMCJ33CA
36.0	40.00 - 50.70	P4SMAJ36	P4SMAJ36C	P6SMBJ36	P6SMBJ36C	1.5SMCJ36	1.5SMCJ36C	3.0SMCJ36	3.0SMCJ36C
36.0	40.00 - 46.00	P4SMAJ36A	P4SMAJ36CA	P6SMBJ36A	P6SMBJ36CA	1.5SMCJ36A	1.5SMCJ36CA	3.0SMCJ36A	3.0SMCJ36CA
40.0	44.40 - 56.30	P4SMAJ40	P4SMAJ40C	P6SMBJ40	P6SMBJ40C	1.5SMCJ40	1.5SMCJ40C	3.0SMCJ40	3.0SMCJ40C
40.0	44.40 - 51.10	P4SMAJ40A	P4SMAJ40CA	P6SMBJ40A	P6SMBJ40CA	1.5SMCJ40A	1.5SMCJ40CA	3.0SMCJ40A	3.0SMCJ40CA
43.0	47.80 - 60.50	P4SMAJ43	P4SMAJ43C	P6SMBJ43	P6SMBJ43C	1.5SMCJ43	1.5SMCJ43C	3.0SMCJ43	3.0SMCJ43C
43.0	47.80 - 54.90	P4SMAJ43A	P4SMAJ43CA	P6SMBJ43A	P6SMBJ43CA	1.5SMCJ43A	1.5SMCJ43CA	3.0SMCJ43A	3.0SMCJ43CA
45.0	50.00 - 63.30	P4SMAJ45	P4SMAJ45C	P6SMBJ45	P6SMBJ45C	1.5SMCJ45	1.5SMCJ45C	3.0SMCJ45	3.0SMCJ45C
45.0	50.00 - 57.50	P4SMAJ45A	P4SMAJ45CA	P6SMBJ45A	P6SMBJ45CA	1.5SMCJ45A	1.5SMCJ45CA	3.0SMCJ45A	3.0SMCJ45CA
48.0	53.30 - 67.50	P4SMAJ48	P4SMAJ48C	P6SMBJ48	P6SMBJ48C	1.5SMCJ48	1.5SMCJ48C	3.0SMCJ48	3.0SMCJ48C
48.0	53.30 - 61.30	P4SMAJ48A	P4SMAJ48CA	P6SMBJ48A	P6SMBJ48CA	1.5SMCJ48A	1.5SMCJ48CA	3.0SMCJ48A	3.0SMCJ48CA
51.0	56.70 - 71.80	P4SMAJ51	P4SMAJ51C	P6SMBJ51	P6SMBJ51C	1.5SMCJ51	1.5SMCJ51C	3.0SMCJ51	3.0SMCJ51C
51.0	56.70 - 65.20	P4SMAJ51A	P4SMAJ51CA	P6SMBJ51A	P6SMBJ51CA	1.5SMCJ51A	1.5SMCJ51CA	3.0SMCJ51A	3.0SMCJ51CA
54.0	60.00 - 76.00	P4SMAJ54	P4SMAJ54C	P6SMBJ54	P6SMBJ54C	1.5SMCJ54	1.5SMCJ54C	3.0SMCJ54	3.0SMCJ54C
54.0	60.00 - 69.00	P4SMAJ54A	P4SMAJ54CA	P6SMBJ54A	P6SMBJ54CA	1.5SMCJ54A	1.5SMCJ54CA	3.0SMCJ54A	3.0SMCJ54CA
58.0	64.40 - 81.60	P4SMAJ58	P4SMAJ58C	P6SMBJ58	P6SMBJ58C	1.5SMCJ58	1.5SMCJ58C	3.0SMCJ58	3.0SMCJ58C
58.0	64.40 - 74.10	P4SMAJ58A	P4SMAJ58CA	P6SMBJ58A	P6SMBJ58CA	1.5SMCJ58A	1.5SMCJ58CA	3.0SMCJ58A	3.0SMCJ58CA
60.0	66.70 - 84.50	P4SMAJ60	P4SMAJ60C	P6SMBJ60	P6SMBJ60C	1.5SMCJ60	1.5SMCJ60C	3.0SMCJ60	3.0SMCJ60C
60.0	66.70 - 76.70	P4SMAJ60A	P4SMAJ60CA	P6SMBJ60A	P6SMBJ60CA	1.5SMCJ60A	1.5SMCJ60CA	3.0SMCJ60A	3.0SMCJ60CA
64.0	71.10 - 90.10	P4SMAJ64	P4SMAJ64C	P6SMBJ64	P6SMBJ64C	1.5SMCJ64	1.5SMCJ64C	3.0SMCJ64	3.0SMCJ64C
64.0	71.10 - 81.80	P4SMAJ64A	P4SMAJ64CA	P6SMBJ64A	P6SMBJ64CA	1.5SMCJ64A	1.5SMCJ64CA	3.0SMCJ64A	3.0SMCJ64CA
70.0	77.80 - 98.60	P4SMAJ70	P4SMAJ70C	P6SMBJ70	P6SMBJ70C	1.5SMCJ70	1.5SMCJ70C	3.0SMCJ70	3.0SMCJ70C
70.0	77.80 - 89.50	P4SMAJ70A	P4SMAJ70CA	P6SMBJ70A	P6SMBJ70CA	1.5SMCJ70A	1.5SMCJ70CA	3.0SMCJ70A	3.0SMCJ70CA
75.0	83.30 - 105.70	P4SMAJ75	P4SMAJ75C	P6SMBJ75	P6SMBJ75C	1.5SMCJ75	1.5SMCJ75C	3.0SMCJ75	3.0SMCJ75C
75.0	83.30 - 95.80	P4SMAJ75A	P4SMAJ75CA	P6SMBJ75A	P6SMBJ75CA	1.5SMCJ75A	1.5SMCJ75CA	3.0SMCJ75A	3.0SMCJ75CA
78.0	86.70 - 109.80	P4SMAJ78	P4SMAJ78C	P6SMBJ78	P6SMBJ78C	1.5SMCJ78	1.5SMCJ78C	3.0SMCJ78	3.0SMCJ78C
78.0	86.70 - 99.70	P4SMAJ78A	P4SMAJ78CA	P6SMBJ78A	P6SMBJ78CA	1.5SMCJ78A	1.5SMCJ78CA	3.0SMCJ78A	3.0SMCJ78CA
85.0	94.40 - 119.20	P4SMAJ85	P4SMAJ85C	P6SMBJ85	P6SMBJ85C	1.5SMCJ85	1.5SMCJ85C	3.0SMCJ85	3.0SMCJ85C
85.0	94.40 - 108.20	P4SMAJ85A	P4SMAJ85CA	P6SMBJ85A	P6SMBJ85CA	1.5SMCJ85A	1.5SMCJ85CA	3.0SMCJ85A	3.0SMCJ85CA
90.0	100.00 - 126.50	P4SMAJ90	P4SMAJ90C	P6SMBJ90	P6SMBJ90C	1.5SMCJ90	1.5SMCJ90C	3.0SMCJ90	3.0SMCJ90C
90.0	100.00 - 115.50	P4SMAJ90A	P4SMAJ90CA	P6SMBJ90A	P6SMBJ90CA	1.5SMCJ90A	1.5SMCJ90CA	3.0SMCJ90A	3.0SMCJ90CA
100.0	111.00 - 141.00	P4SMAJ100	P4SMAJ100C	P6SMBJ100	P6SMBJ100C	1.5SMCJ100	1.5SMCJ100C	3.0SMCJ100	3.0SMCJ100C
100.0	111.00 - 128.00	P4SMAJ100A	P4SMAJ100CA	P6SMBJ100A	P6SMBJ100CA	1.5SMCJ100A	1.5SMCJ100CA	3.0SMCJ100A	3.0SMCJ100CA
110.0	122.00 - 154.50	P4SMAJ110	P4SMAJ110C	P6SMBJ110	P6SMBJ110C	1.5SMCJ110	1.5SMCJ110C	3.0SMCJ110	3.0SMCJ110C
110.0	122.00 - 140.50	P4SMAJ110A	P4SMAJ110CA	P6SMBJ110A	P6SMBJ110CA	1.5SMCJ110A	1.5SMCJ110CA	3.0SMCJ110A	3.0SMCJ110CA
120.0	133.00 - 169.00	P4SMAJ120	P4SMAJ120C	P6SMBJ120	P6SMBJ120C	1.5SMCJ120	1.5SMCJ120C	3.0SMCJ120	3.0SMCJ120C
120.0	133.00 - 153.00	P4SMAJ120A	P4SMAJ120CA	P6SMBJ120A	P6SMBJ120CA	1.5SMCJ120A	1.5SMCJ120CA	3.0SMCJ120A	3.0SMCJ120CA
130.0	144.00 - 182.50	P4SMAJ130	P4SMAJ130C	P6SMBJ130	P6SMBJ130C	1.5SMCJ130	1.5SMCJ130C	3.0SMCJ130	3.0SMCJ130C
130.0	144.00 - 165.50	P4SMAJ130A	P4SMAJ130CA	P6SMBJ130A	P6SMBJ130CA	1.5SMCJ130A	1.5SMCJ130CA	3.0SMCJ130A	3.0SMCJ130CA
150.0	167.00 - 211.50	P4SMAJ150	P4SMAJ150C	P6SMBJ150	P6SMBJ150C	1.5SMCJ150	1.5SMCJ150C	3.0SMCJ150	3.0SMCJ150C
150.0	167.00 - 192.50	P4SMAJ150A	P4SMAJ150CA	P6SMBJ150A	P6SMBJ150CA	1.5SMCJ150A	1.5SMCJ150CA	3.0SMCJ150A	3.0SMCJ150CA
160									

PACKAGE OUTLINE DIMENSIONS (Dimensions in mm)

Axial Devices (Through-Hole)

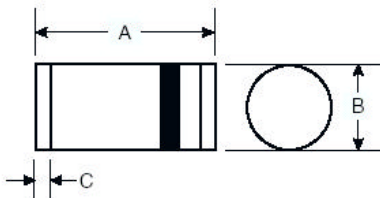


Dim	A		B		C		D	
	Min	Max	Min	Max	Min	Max	Min	Max
A-405	25.40	-	4.10	5.20	0.53	0.64	2.00	2.70
DO-35	25.40	-	-	4.00	-	0.60	-	2.00
DO-41 Plastic	25.40	-	4.06	5.21	0.71	0.86	2.00	2.72
DO-41 Glass	25.40	-	-	4.70	-	0.86	-	2.71
DO-15	25.40	-	5.50	7.62	0.69	0.89	2.60	3.60
DO-201	25.40	-	8.50	9.53	0.96	1.06	4.80	5.21
DO-201AD	25.40	-	7.20	9.50	1.20	1.30	4.80	5.30
P600	25.40	-	8.60	9.10	1.20	1.30	8.60	9.10



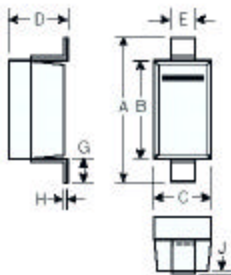
Dim	SMA		SMB		SMC	
	Min	Max	Min	Max	Min	Max
A	2.29	2.92	3.30	3.94	5.59	6.22
B	4.00	4.60	4.06	4.57	6.60	7.11
C	1.27	1.63	1.96	2.21	2.75	3.18
D	0.15	0.31	0.15	0.31	0.15	0.31
E	4.80	5.59	5.00	5.59	7.75	8.13
G	0.10	0.20	0.10	0.20	0.10	0.20
H	0.76	1.52	0.76	1.52	0.76	1.52
J	2.01	2.62	2.00	2.62	2.00	2.62

MiniMELF / MELF



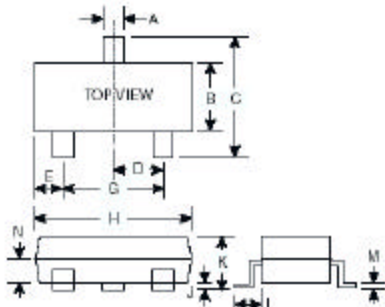
Dim	Mini MELF		MELF	
	Min	Max	Min	Max
A	3.3	3.7	4.8	5.2
B	1.3	1.6	2.4	2.6
C	0.28	0.5	0.55 Nominal	

SOD-123 / SOD-323 / SOD-523



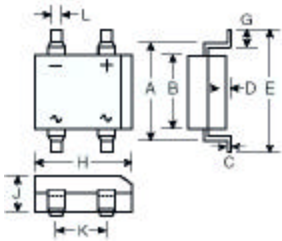
Dim	SOD-123		SOD-323		SOD-523	
	Min	Max	Min	Max	Min	Max
A	3.55	3.85	2.3	2.7	1.5	1.7
B	2.55	2.85	1.6	1.8	1.15	1.25
C	1.4	1.7	1.15	1.35	0.75	0.85
D	-	1.35	0.8	1.1	0.5	0.8
E	0.55 Typical		0.25	0.4	0.25	0.35
G	0.25	-	0.15	0.45	-	-
H	0.15 Typical		0.1	0.25	0.07	0.17

SOT-23 / SC-59 / SOT-323

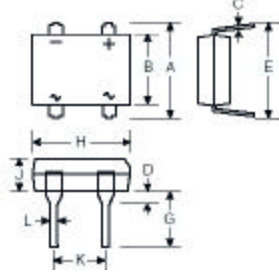


Dim	SOT-23		SC-59		SOT-323	
	Min	Max	Min	Max	Min	Max
A	0.37	0.51	0.3	0.5	0.3	0.4
B	1.19	1.4	1.4	1.8	1.15	1.35
C	2.1	2.5	2.5	3	2	2.2
D	0.89	1.05	0.85	1.05	0.65 Nominal	
E	0.45	0.61	0.3	0.7	0.3	0.4
G	1.78	2.05	1.7	2.1	1.2	1.4
H	2.65	3.05	2.7	3.1	1.8	2.2
J	0.013	0.15	-	0.1	0	0.1
K	0.89	1.1	1	1.4	0.9	1
L	0.45	0.61	0.55	0.7	0.25	0.4
M	0.076	0.178	0.1	0.35	0.1	0.25
N	-	-	-	-	-	-

SDIP

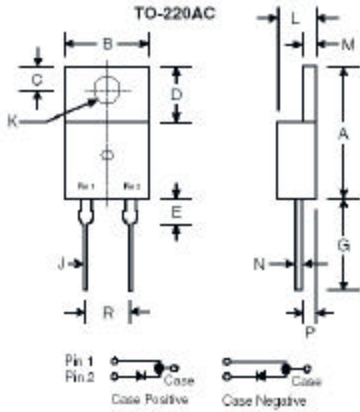


DIP

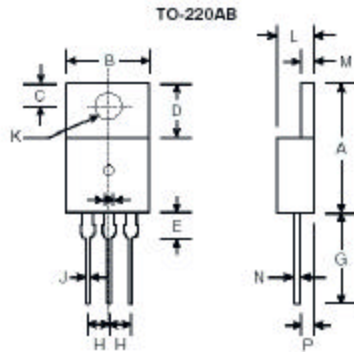


Dim	SDIP		SMDI		DIP	
	Min	Max	Min	Max	Min	Max
A	7.40	7.90	5.43	5.75	7.40	7.90
B	6.20	6.50	3.60	4.00	6.20	6.50
C	0.22	0.30	0.15	0.35	0.22	0.30
D	0.076	0.33	0.05	0.20	1.27	2.03
E	-	10.40	-	7.00	7.60	8.90
G	1.02	1.53	0.70	1.10	3.81	4.69
H	8.13	8.51	4.50	4.90	8.13	8.51
J	2.40	3.40	2.80	2.90	2.40	3.40
K	5.00	5.20	2.50	2.70	5.00	5.20
L	1.00	1.20	0.50	0.80	0.46	0.58

TO-220AC

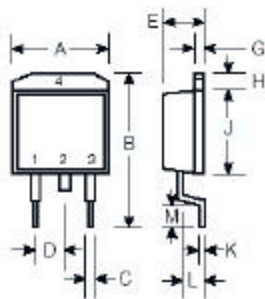


TO-220AB

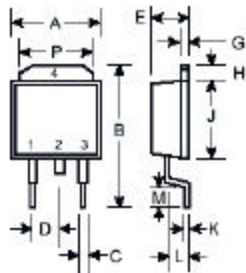


Dim	TO-220AC	TC-220AB
	Min	Max
A	14.22	15.88
B	9.65	10.67
C	2.54	3.43
D	5.84	6.86
E	-	6.35
G	12.70	14.73
H	2.29	2.79
J	0.51	1.14
K	3.53 \varnothing	4.09 \varnothing
L	3.56	4.83
M	1.14	1.40
N	0.30	0.64
P	2.03	2.92
R	4.83	5.33

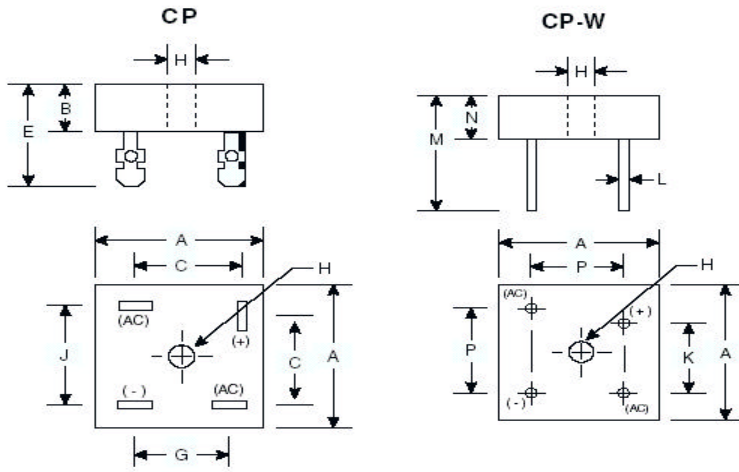
D²PAK / TO263



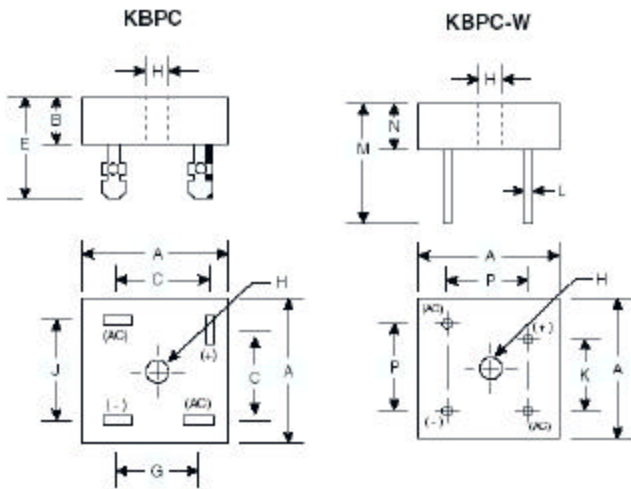
DPAK / TO252



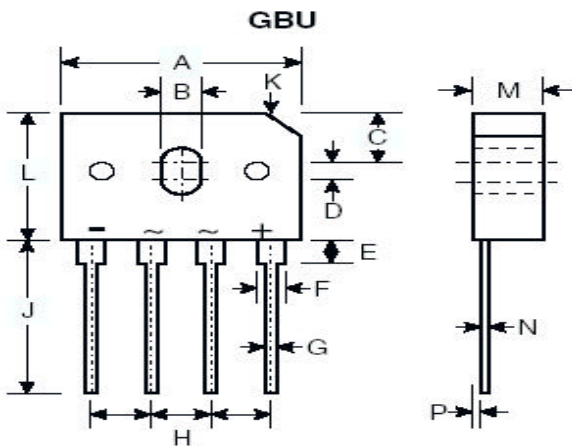
Dim	D2PAK/TO263		DPAK/TO252	
	Min	Max	Min	Max
A	9.65	10.69	6.3	6.7
B	14.6	15.88	-	10
C	0.51	1.14	0.3	0.8
D	2.29	2.79	2.3 Nominal	
E	4.37	4.83	2.1	2.5
G	1.14	1.4	0.4	0.6
H	1.14	1.4	1.2	1.6
J	8.25	9.25	5.3	5.7
K	0.3	0.64	0.5 Nominal	
L	2.03	2.92	1.3	1.8
M	2.29	2.79	1	-
P	-	-	5.1	5.5



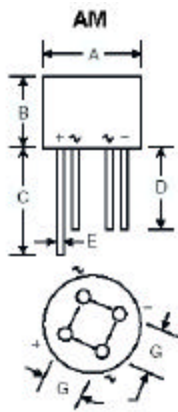
CP(W)		
Dim	Min	Max
A	28.30	28.80
B	7.40	8.00
C	16.10	17.10
E	18.80	21.30
G	13.80	14.80
H	Hole for #10 screw	
	4.85Ø	5.59Ø
J	17.60	18.60
K	10.90	11.90
L	0.97Ø	1.07Ø
M	26.40	-
N	7.40	8.00
P	17.60	18.60



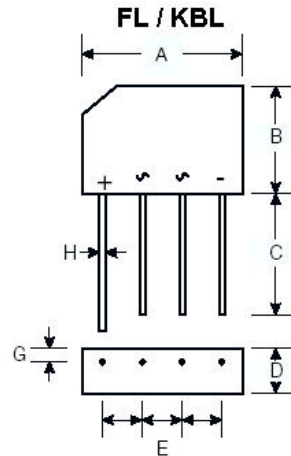
KBPC(W)		
Dim	Min	Max
A	28.40	28.70
B	10.97	11.23
C	15.50	17.60
E	22.86	25.40
G	13.30	15.30
H	Hole for #10 screw	
	4.85Ø	5.59Ø
J	17.10	19.10
K	10.40	12.40
L	0.97Ø Nominal	1.07Ø
M	30.50	-
N	10.97	11.23
P	17.10	19.10



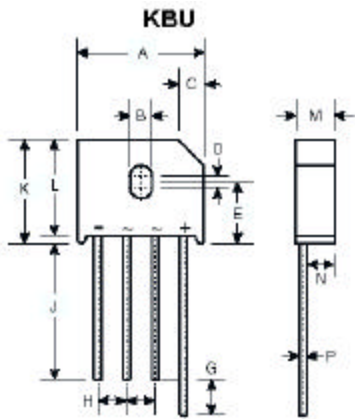
GBU		
Dim	Min	Max
A	21.80	22.30
B	3.50	4.10
C	7.40	7.90
D	1.65	2.16
E	2.25	2.75
G	1.02	1.27
H	4.83	5.33
J	17.50	18.00
K	3.2 X 45°	
L	18.30	18.80
M	3.30	3.56
N	0.46	0.56
P	0.76	1.00



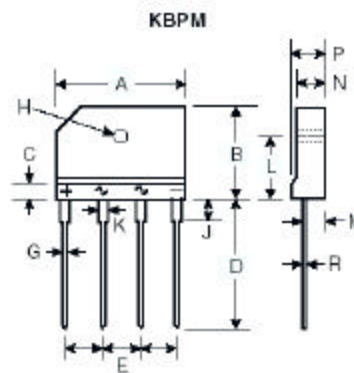
AM		
Dim	Min	Max
A	8.84	9.86
B	4.00	4.60
C	27.90	-
D	25.40	-
E	0.71	0.81
G	4.60	5.60



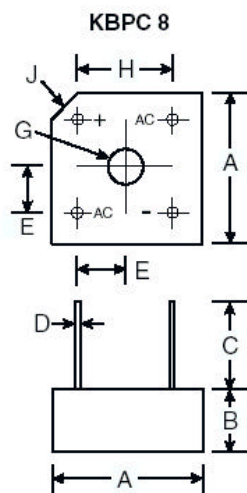
KBL		
Dim	Min	Max
A	18.50	19.50
B	15.40	16.40
C	19.00	-
D	6.20	6.50
E	4.60	5.60
G	1.50	2.00
H	1.3 Typical	



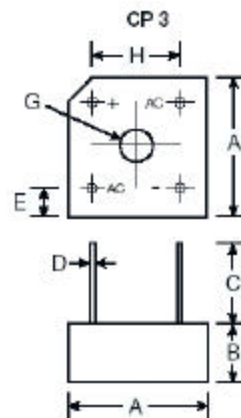
KBU		
Dim	Min	Max
A	22.70	23.70
B	3.80	4.10
C	4.20	4.70
D	1.70	2.20
E	10.30	11.30
G	4.50	6.80
H	4.80	5.80
J	25.40	-
K	-	19.30
L	16.80	17.80
M	6.60	7.10
N	4.70	5.20
P	1.20	1.30



KBPM		
Dim	Min	Max
A	14.25	14.75
B	10.20	10.60
C	2.29	Typical
D	14.25	14.73
E	3.56	4.06
G	0.76	0.86
H	1.17	1.42
J	2.8 X 45° Chamfer	
K	0.80	1.10
L	3.35	3.65
M	3° Nominal	
N	2° Nominal	
P	0.30	0.64



KBPC-8		
Dim	Min	Max
A	18.54	19.56
B	6.35	7.6
C	22.2	-
D	1.27Ø Typical	
E	5.33	7.37
G	3.60Ø	4.00Ø
H	12.70 Typical	
J	2.38 X 45° Typical	



CP-3		
Dim	Min	Max
A	14.73	15.75
B	5.84	6.86
C	19.00	-
D	0.76Ø Typical	
E	1.70	2.70
G	Hole for # 6 screw	
	3.60	4.00
H	10.30	11.30