5. RECTIFIERS

IN ORDER OF (1) PIV, (2) MAX AVG FWD CURRENT (3) TEMPERATURE, and (4) TYPE No.

LINE No.	4 TYPE No.	1 PIV	MAX AVG FWD DC CURRENT 2 Io	3 at TEMP	MAX RATINGS @ 25°C SURGE CUR. PEAK 1 Cy	PULSE WIDTH	DISS.	MAX. TEMP	MAXIMUM FORWARD VOLTAGE DROP Vf	at If	at TEMP	MAX. REVERSE CURRENT Ir @25°C & Vr	Ir & Vr	TEMP T	TEST VOLT Vr	AVALANCHE RATINGS MAX V BKDN.	MIN SLOPE	MAT.	DESCRIPTION DWG. No.
		(V)	(A)	(°C)	(A)	(s)	(W)	(°C)	(V)	(A)	(°C)	(A)	(A)	(°C)	(V)	(V)	(A/V)		
1	RC1540	40k	1.5	50	50	8.0m		125A	130	4.5	25	1.0u	25u	100	40k		80k	Si	A319f
2	2ASLD40TR	40k	1.5	55$															M240d
3	SODSLD40	40k	2.2	30A	290			140A	80	2.3	25A	25u			40k			Si△	
4	KHP40	40k	2.25	25A	300			175A	55		25A	5.0u			40k			Si△	
5#	P400H	40k	3.0	25A	230	10m		100A	42	3.0 †	25A	10u						Si△	M460b
6	SODSPC40	40k	4.5	25A	300	8.3m		175A	67		25A	25u			40k				M950z*
7	LCD45	45k	10m	50	750m			150A	54	10m	25	2.0u	50m	80	45k			Si	A1qu
8	SL45	45k	10m	55A	3.0	8.3m	2.0	150A	48	10m	25	100n	20u	100	45k			Si	A267d
9	20MH45	45k	20m	25A	3.0	8.0m		150S	60.0	20m	25A	200n	10u	100	45k	54k		Si	A1yb
10	KL45	45k	20m	25	5.0			150S	39.6 §△	20m†	25	1.0u△	50u	100	45k	54kØ		Si	A1rc
11	HVHJ45K	45k	50m	55A	5.0	8.3m		150	60 △	50m	25A	100n△	25u△	100A	45k			Si	A138q
12	SCHJ45K	45k	50m	55A	4.0			150	60 △	50m	25A	100n△	25u△	100A	45k			Si	A138q
13	SM45	45k	50m	55A	4.0	8.3m	3.0	150S	60	50m	25	100n	30u	85	45k			Si	A1yv
14	100MH45	45k	100m	25A	10	8.0m		150S	60.0	100m	25A	500n	20u	100	45k	54k		Si	A1yb
15	BCD45	45k	100m	25A	10			125A	60	100m	25A	2.0u	100u	100A	45k			Si	A1rd
16	CFR45	45k	150m	25	10			100A	39.6 §△	150m†	25	2.0u△	100u	100	45k	54kØ		Si	F12ac
17	SLDHV45	45k	150m	25A	22			175A	90		25							Si	M239l
18	CF45	45k	200m	25	10			125A	39.6 §△	200m†	25	1.0u△	50u	100	45k	54kØ		Si	F12ac
19	CL45	45k†	200m	25	10			150S	39.6 △	200m†	25	1.0u△	50u△	100	45k	50kØ		Si△	A1rc
20	SCKV45K12	45k	300m	25	20	8.3m		150J	84	100m	25	1.0u	25u	100	45k			Si	S475a
21	SPCHV45	45k	300m	25A	23	8.3m		175A	90		25A	10u			45k				M950j*
22	SLD45	45k	750m	30A	50			125A	90	750m	25A	10u			45k			Si△	M239l
23	KVP45	45k$	750m	50A	50			150A	63 △	700m	25A	5.0u△			45k			Si△	
24	2ASLD45	45k	1.2	25A	200			175A	75		25							Si	M239l
25	2ASPC45	45k	1.2	25A	200	8.3m		100	75	1.2 †	25A	25u			45k			Si	M950j*
26	SPC45	45k	1.5	25A	50	8.3m		175A	75		25A	10u			45k				M950j*
27	SODSLD45	45k	2.2	30A	290			140A	90	2.3	25A	25u			45k			Si△	
28	KHP45	45k	2.25	25A	300			175A	63		25A	5.0u			45k			Si	
29	SODSPC45	45k	4.5	25A	300	8.3m		175A	75		25A	25u			45k				M950aa*
30	S1KW48KA-4	48k	3.0	55C	150	8.3m			70.4	3.0	25							Si	M894c
31	B412-50-5	50k	5.0m	55	4.0			150	70	5.0m†	25	1.0u	40u	100	50k			Si	A298am
32#	HV1050A	50k	10m	40	3.0	10m		70J	150	10m	25	15u			50k			Si	F97
33	B412-50-10	50k	10m	55	4.0			150	70	10m†	25	1.0u	40u	100	50k			Si	A298am
34	KL50	50k	20m	25	5.0			150S	44 §△	20m†	25	1.0u△	50u	100	50k	60kØ		Si	A1rh
35	B412-50-25	50k	25m	55	4.0			150	70	25m†	25	1.0u	40u	100	50k			Si	A298am
36	BCD50	50k	100m	25A	10			125A	66	100m	25A	2.0u	100u	100A	50k			Si	A1rj
37#	CY501H	50k	100m	25A	30	10m		125J	65	100m	25A	10u			50k			Si	A94t
38	SCXR50K	50k	100m	25	10	8.3m		125A	80 §	100m	25	1.0u			50k			Si	F70c
39#	HV1050	50k	100m	40	15	10m		90J	150	100m	25	15u			50k			Si	F97
40	CFR50	50k	150m	25	10			100A	44 §△	150m†	25	2.0u△	100u	100	50k	60kØ		Si	F12ad
41	SLDHV50	50k	150m	25A	22			175A	102		25							Si	M239l
42	CF50	50k	200m	25	10			125A	44 §△	200m†	25	1.0u△	50u	100	50k	60kØ		Si	F12ad
43	CL50	50k†	200m	25	10			150S	44 △	200m†	25	1.0u△	50u△	100	50k	60kØ		Si△	A1rh
44	SCKV50K6	50k	200m	25	15	8.3m		150J	84	100m	25	1.0u	25u	100	50k			Si	S475
45	GC50M	50k	220m	55	20	8.0m		150S	80	50m	25	1.0u			50k		75k	Si	M886
46	67D500H55FNN	50k	250m	50A	35			150A	50	500m	25	10u	50u	100	50k				F12aq
47	SPCHV50	50k	300m	25A	23	8.3m		175A	102		25A	10u			50k				M950j*
48	SLD50	50k	750m	30A	50			125A	100	750m	25A	10u			50k			Si△	M239l
49	KVP50	50k$	750m	50A	50			150A	70 △	700m	25A	5.0u△			50k			Si△	
50	2ASLD50	50k	1.0	25A	200			175A	84		25							Si	M239l
51	2ASPC50	50k	1.0	25A	200	8.3m		100	84	1.0 †	25A	25u			50k			Si	M950j*
52	1N4877	50k	1.25	40A	150 §			125A	76	1.2	50A		600u	50A	50k			Si	M326k
53	SPC50	50k	1.5	25A	50	8.3m		175A	84		25A	10u			50k				M950j*
54	RC1550	50k	1.5	50	50	8.0m		125A	170	4.5	25	1.0u	25u	100	50k		100k	Si	A319g
55	SODSLD50	50k	2.2	30A	290			140A	100	2.3	25A	25u			50k			Si△	
56	KHP50	50k	2.25	25A	300			175A	70		25A	5.0u			50k			Si△	
57	SODSPC50	50k	4.5	25A	300	8.3m		175A	84		25A	25u			50k				M950ab*
58	S1KW60KA-5	60k	3.0	55C	150	8.3m			88	3.0	25							Si	M894d
59	SCKV66K12	66k	300m	25	20	8.3m		150J	112	100m	25	1.0u	25u	100	66k			Si	S475b
60	S1KW72KA-6	72k	3.0	55C	150	8.3m			105	3.0	25							Si	M894d
61#	HV1075A	75k	10m	40	3.0	10m		70J	250	10m	25	15u			75k			Si	F97a
62#	BYX29/75000	75k	50m	97	5.0	10m		125J	88	50m	25J		33u	125J	75k	100kØ		Si	F70a
63#	CY751H	75k	100m	25A	30	10m		125J	105	100m	25A	10u			75k			Si	A94t
64	SCXR75K	75k	100m	25	10	8.3m		125A	120 §	100m	25	1.0u			75k			Si	F70d
65	SLDHV75	75k	100m	25A	22			175A	150		25							Si	M239m
66#	HV1075	75k	100m	40	15	10m		90J	250	100m	25	15u			75k			Si	F97a
67#	ED75X1	75k	100m	50C	45	10m		125J	125	100m	25	10u			75k			Si	F109
68	SCKV75K6	75k	200m	25	15	8.3m		150J	126	100m	25	1.0u	25u	100	75k			Si	S475a
69	SPCHV75	75k	200m	25A	23	8.3m		175A	150		25A	10u			75k				M950ac*
70#	SKXA75M	75k	350m	75A	30	10m			75	1.0	25J	1.0u				100k		Si	F86c
71#	SKXA75N	75k	350m	75A	30	10m			90	1.0	25J	1.0u				100k		Si	F86b
72#	SKXA75000	75k	350m	75A	30	10m			60	1.0	25J	1.0u				100k		Si	F86g
73	2ASLD75	75k	800m	25A	200			175A	125		25							Si	M239m
74	2ASPC75	75k	800m	25A	200	8.3m		100	125	800m†	25A	25u			75k			Si	M950ac*
75	SPC75	75k	1.0	25A	50	8.3m		175A	125		25A	10u			75k				M950ac*
76	1N4887	75k	1.25	40A	150 §			125A	115	1.2	50A		600u	50A	75k			Si	M326l
77	SODSLD75	75k	2.0	25A	300			175A	125		75							Si	
78	SODSPC75	75k	4.0	25A	300	8.3m		175A	125		25A	25u			75k				M950af*
79#	BYX91-90K	90k	200m	50C	25	10m		125J	225	2.0	25J		10u	125J	90k			Si	F12af
80#	HV10100A	100k	10m	40	3.0	10m		70J	300	10m	25	15u			100k			Si	F97a
81#	BYX29/100000	100k	50m	97	5.0	10m		125J	116	50m	25J		33u	125J	100k	135kØ		Si	F70a
82	SCKV100K3	100k	100m	25	7.5	8.3m		150J	168	100m	25	1.0u	25u	100	100k			Si	S475
83	SCXR100K	100k	100m	25	10	8.3m		125A	160 §	100m	25	1.0u			100k			Si	F70e
84	SLDHV100	100k	100m	25A	22			175A	210		25							Si	M239n
85#	HV10100	100k	100m	40	15	10m		90J	300	100m	25	15u			100k			Si	F97a
86#	ED100X1	100k	100m	50C	45	10m		125J	165	100m	25	10u			100k			Si	F109a
87	SCKV100K6	100k	200m	25	15	8.3m		150J	168	100m	25	1.0u	25u	100	100k			Si	S475b
88	SPCHV100	100k	200m	25A	23	8.3m		175A	210		25A	10u			100k				M950ad*
89	GC100	100k	220m	55	20	8.0m		150S	220	50m	25	1.0u			100k		150k	Si	M886b
90	GC100M	100k	220m	55	20	8.0m		150S	160	50m	25	1.0u			100k		150k	Si	M886a
91	GX100	100k	220m	55	20	8.0m		150S	240	50m	25	1.0u			100k			Si	M887
92	HPA100	100k	220m	55	20	8.3m		125A	160	50m		1.0u			100k			Si	M937▼
93#	SKXA100M	100k	350m	75A	30	10m			80	1.0	25J	1.0u				130k		Si	F86d
94#	SKXA100N	100k	350m	75A	30	10m			100	1.0	25J	1.0u				130k		Si	F86c
95	SLD100	100k	500m	25A	50			175A	167		25							Si	M239n
96	2ASLD100	100k	750m	25A	200			175A	167		25							Si	M239n
97	2ASPC100	100k	750m	25A	200	8.3m		100	167	750m†	25A	25u			100k			Si	M950ad*
98	SPC100	100k	1.0	25A	50	8.3m		175A	167		25A	10u			100k				M950ad*
99	SODSLD100	100k	1.7	25A	300			175A	167		75							Si	
100	SODSPC100	100k	3.5	25A	300	8.3m		175A	167		25A	25u			100k				M950ag*
101	SLDHV120	120k	100m	25A	22			175A	240		25							Si	M239p
102	SPCHV120	120k	200m	25A	23	8.3m		175A	240		25A	10u			120k				M950ae*
103#	BYX91-120K	120k	200m	50C	25	10m		125J	300	2.0	25J		10u	125J	120k			Si	F12ag
104	SLD120	120k	500m	25A	50			175A	200		25							Si	M239p
105	2ASLD120	120k	750m	25A	200			175A	200		25							Si	M239p
106	2ASPC120	120k	750m	25A	200	8.3m		100	200	750m†	25A	25u			120k			Si	M950ae*
107	SPC120	120k	1.0	25A	50	8.3m		175A	200		25A	10u			120k				M950ae*
108	SODSLD120	120k	1.7	25A	300			175A	200		75							Si	
109	SODSPC120	120k	3.5	25A	300	8.3m		175A	200		25A	25u			120k				M950ah*
110#	HV10125A	125k	10m	40	3.0	10m		70J	400	10m	25	15u			125k			Si	F97b

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