

5. RECTIFIERS

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

LINE No.	TYPE No.	PIV (V)	MAX AVG FWD CURRENT				MAX RATINGS @ 25°C			MAXIMUM FORWARD VOLTAGE DROP			MAX. REVERSE CURRENT		TEST VOLT V _r (V)	AVALANCHE RATINGS		DESCRIPTION	DWG. No.
			2 I _o (A)	3 at TEMP (°C)	PEAK 1 Cy (A)	PULSE WIDTH (s)	DISS. (W)	MAX. TEMP (°C)	V _f (V)	at I _f (A)	at TEMP (°C)	I _r @ 25°C & V _r (A)	at I _r & V _r (A)	TEMP (°C)		MAX V BKDN. (V)	MIN SLOPE (A/V)		
1	RC1540	40k	1.5	50	50	8.0m	125A	130	4.5	25	1.0u	25u	100	40k			Si	A319f	
2	2ASLD40TR	40k	1.5	55s			175A	80	2.3	25A	25u			40k			Si	M240d	
3	SODSLD40	40k	2.2	30A	290		140A	80		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		100A	42	3.0 ↑	25A	10u						Si	M460b	
6	SODSPC40	40k	4.5	25A	300	8.3m	175A	67		25A	25u			40k			Si	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	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 Δ	20m↑	25	1.0uΔ	50u	100	45k			Si	A1rc	
11	HVHJ45K	45k	50m	55A	5.0	8.3m	150	60 Δ	50m	25A	100nΔ	25uΔ	100A	45k			Si	A138q	
12	SCHJ45K	45k	50m	55A	4.0		150	60 Δ	50m	25A	100nΔ	25uΔ	100A	45k			Si	A138q	
13	SM45	45k	50m	55A	4.0	8.3m	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 Δ	150m↑	25	2.0uΔ	100u	100	45k	54k		Si	F12ac	
17	SLDHV45	45k	150m	25A	22		175A	90		25							Si	M239i	
18	CF45	45k	200m	25	10		125A	39.6 Δ	200m↑	25	1.0uΔ	50u	100	45k	54k		Si	F12ac	
19	CL45	45k↑	200m	25	10		150S	39.6 Δ	200m↑	25	1.0uΔ	50uΔ	100	45k	50k		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			Si	M950j*	
22	SLD45	45k	750m	30A	50		125A	90	750m	25A	10u			45k			Si	M239i	
23	KVP45	45k	750m	50A	50		150A	63 Δ	700m	25A	5.0uΔ			45k			Si		
24	2ASLD45	45k	1.2	25A	200		175A	75		25							Si	M239i	
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			Si	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			Si	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 Δ	20m↑	25	1.0uΔ	50u	100	50k	60k		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 Δ	150m↑	25	2.0uΔ	100u	100	50k	60k		Si	F12ad	
41	SLDHV50	50k	150m	25A	22		175A	102		25							Si	M239i	
42	CF50	50k	200m	25	10		125A	44 Δ	200m↑	25	1.0uΔ	50u	100	50k	60k		Si	F12ad	
43	CL50	50k↑	200m	25	10		150S	44 Δ	200m↑	25	1.0uΔ	50uΔ	100	50k	60k		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			Si	M886	
46	67D500H55FNN	50k	250m	50A	35		150A	50	500m	25	10u	50u	100	50k			Si	F12aq	
47	SPCHV50	50k	300m	25A	23	8.3m	175A	102		25A	10u			50k			Si	M950j*	
48	SLD50	50k	750m	30A	50		125A	100	750m	25A	10u			50k			Si	M239i	
49	KVP50	50k	750m	50A	50		150A	70 Δ	700m	25A	5.0uΔ			50k			Si		
50	2ASLD50	50k	1.0	25A	200		175A	84		25							Si	M239i	
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			Si	M950j*	
54	RC1550	50k	1.5	50	50	8.0m	125A	170	4.5	25	1.0u	25u	100	50k			Si	A319q	
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			Si	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			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	F105	
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			Si	M950ac*	
70#	SKXA75M	75k	350m	75A	30	10m		75	1.0	25J	1.0u						Si	F86c	
71#	SKXA75N	75k	350m	75A	30	10m		90	1.0	25J	1.0u						Si	F86b	
72#	SKXA75000	75k	350m	75A	30	10m		60	1.0	25J	1.0u						Si	F86a	
73	2ASLD75	75k	800m	25A	200		175A	125		25A	25u			75k			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			Si	M950ac*	
76	1N4887	75k	1.25	40A	150		125A	115	1.2	50A		600u	50A	75k			Si	M326i	
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			Si	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			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	10																