

# 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 DC CURRENT		MAX RATINGS @ 25°C			MAXIMUM FORWARD VOLTAGE DROP			MAX. REVERSE CURRENT			AVALANCHE RATINGS		DESCRIPTION	DWG. No.																																																																																									
			2. I <sub>o</sub> (A)	3. I <sub>o</sub> at TEMP (°C)	PEAK 1 Cy (A)	PULSE WIDTH (s)	DISS. (W)	MAX. TEMP (°C)	V <sub>f</sub> (V)	at I <sub>f</sub> (A)	at TEMP (°C)	I <sub>r</sub> @ 25°C & V <sub>r</sub> (A)	I <sub>r</sub> at T & V <sub>r</sub> (A)	TEMP T (°C)	TEST VOLT V <sub>r</sub> (V)			MAX V BKDN. (V)	MIN SLOPE (A/V)																																																																																							
																				4. I <sub>o</sub> (A)	5. I <sub>o</sub> (A)	6. I <sub>o</sub> (A)	7. I <sub>o</sub> (A)	8. I <sub>o</sub> (A)	9. I <sub>o</sub> (A)	10. I <sub>o</sub> (A)	11. I <sub>o</sub> (A)	12. I <sub>o</sub> (A)	13. I <sub>o</sub> (A)	14. I <sub>o</sub> (A)	15. I <sub>o</sub> (A)	16. I <sub>o</sub> (A)	17. I <sub>o</sub> (A)	18. I <sub>o</sub> (A)	19. I <sub>o</sub> (A)	20. I <sub>o</sub> (A)	21. I <sub>o</sub> (A)	22. I <sub>o</sub> (A)	23. I <sub>o</sub> (A)	24. I <sub>o</sub> (A)	25. I <sub>o</sub> (A)	26. I <sub>o</sub> (A)	27. I <sub>o</sub> (A)	28. I <sub>o</sub> (A)	29. I <sub>o</sub> (A)	30. I <sub>o</sub> (A)	31. I <sub>o</sub> (A)	32. I <sub>o</sub> (A)	33. I <sub>o</sub> (A)	34. I <sub>o</sub> (A)	35. I <sub>o</sub> (A)	36. I <sub>o</sub> (A)	37. I <sub>o</sub> (A)	38. I <sub>o</sub> (A)	39. I <sub>o</sub> (A)	40. I <sub>o</sub> (A)	41. I <sub>o</sub> (A)	42. I <sub>o</sub> (A)	43. I <sub>o</sub> (A)	44. I <sub>o</sub> (A)	45. I <sub>o</sub> (A)	46. I <sub>o</sub> (A)	47. I <sub>o</sub> (A)	48. I <sub>o</sub> (A)	49. I <sub>o</sub> (A)	50. I <sub>o</sub> (A)	51. I <sub>o</sub> (A)	52. I <sub>o</sub> (A)	53. I <sub>o</sub> (A)	54. I <sub>o</sub> (A)	55. I <sub>o</sub> (A)	56. I <sub>o</sub> (A)	57. I <sub>o</sub> (A)	58. I <sub>o</sub> (A)	59. I <sub>o</sub> (A)	60. I <sub>o</sub> (A)	61. I <sub>o</sub> (A)	62. I <sub>o</sub> (A)	63. I <sub>o</sub> (A)	64. I <sub>o</sub> (A)	65. I <sub>o</sub> (A)	66. I <sub>o</sub> (A)	67. I <sub>o</sub> (A)	68. I <sub>o</sub> (A)	69. I <sub>o</sub> (A)	70. I <sub>o</sub> (A)	71. I <sub>o</sub> (A)	72. I <sub>o</sub> (A)	73. I <sub>o</sub> (A)	74. I <sub>o</sub> (A)	75. I <sub>o</sub> (A)	76. I <sub>o</sub> (A)	77. I <sub>o</sub> (A)	78. I <sub>o</sub> (A)	79. I <sub>o</sub> (A)	80. I <sub>o</sub> (A)	81. I <sub>o</sub> (A)	82. I <sub>o</sub> (A)	83. I <sub>o</sub> (A)	84. I <sub>o</sub> (A)	85. I <sub>o</sub> (A)	86. I <sub>o</sub> (A)	87. I <sub>o</sub> (A)	88. I <sub>o</sub> (A)	89. I <sub>o</sub> (A)	90. I <sub>o</sub> (A)
1	E2B3	100	3.0	150	200			175	1.3	3.0	150	10u	1.0m	150	100			Si	D04																																																																																							
2	350R1B	100	3.5	25	250			175	2.0	3.5	25	10u	1.0m	150	100			Si																																																																																								
3#	S5VB10	100	3.5	40A	200			150J	1.05	3.0	25	10u	1.0m	150	100			Si	C188b																																																																																							
4	1N3569	100	3.5	85C	35	8.3m		165C	1.3	3.5	85C		400u	150C	100			Si	D04																																																																																							
5	1N2669	100	3.6	25A	15	8.3m		165A	1.3	3.6	25A	300u		100	100			Si	M126a																																																																																							
6	1N2740	100	3.6	25A	15	8.3m		165A	1.3	3.6	25A	300u		100	100			Si	M126c																																																																																							
7	1N1918	100	4.0	25	30	16m	10	250	1.0	1.0	25							Si	S82a																																																																																							
8	400R1B	100	4.0	25	250			175	2.0	4.0	25	10u	1.0m	150	100			Si																																																																																								
9#	BY192	100	4.0	25C	75	10m		150J	1.3	3.0	25	10u		25	100			Si	S441a																																																																																							
10	UT4010	100	4.0	25	100	8.3m		175A	1.0	3.0	25	5.0u	100u	100	100			SiΔ	A196k																																																																																							
11	1N2512	100	4.0	30C	30			165	1.1	1.5	25	2.0u		100	100			SiΔ	D04Δ																																																																																							
12	1N2518	100	4.0	30C	25			150C				2.0u	25m	150C	100			SiΔ	S117																																																																																							
13#	G1004	100	4.0	125C	100	10m	4.0	150J	1.2	13	25C		3.0m	125C	100			Si	D04																																																																																							
14#	P1004	100	4.0	125C	100	10m	4.0	150J	1.2	13	25C		3.0m	125C	100			Si	S95a																																																																																							
15	450R1B	100	4.5	25	250			175	2.0	4.5	25	10u	1.0m	150	100			Si																																																																																								
16#	S15VB10	100	4.5	40A	200			150J	1.05	7.5	25A	10u		25A				Si	C189																																																																																							
17	1N1613	100	5.0					175A	1.5	10	25A							Si	D04																																																																																							
18#	D242B	100	5.0					125C	1.5	5.0								SiΔ	S495																																																																																							
19#	D304	100	5.0					70A	300m	5.0		2.0u	3.0m	100A	100			SiΔ	S496																																																																																							
20	1N2290	100	5.0	25	100			150	.60	5.0	25		.50m	150	100			SiΔ	S35																																																																																							
21	500R1B	100	5.0	25	250			175	2.0	5.0	25	10u	1.0m	150	100			Si																																																																																								
22	S5A1	100	5.0	50A	300	8.3m		175C	1.0	5.0	25A	1.0u		100	100			Si	A1ey																																																																																							
23	M5B5	100	5.0	55A	300			175A	1.1	5.0	50	25u		100	100			Si	A1ep																																																																																							
24	SPD9000	100	5.0	55C	300			175J	1.0	5.0	25J	10u		100	100			Si	A52d																																																																																							
25	1N1059	100	5.0	100A	60	4.0m		170C	1.5	5.0	25A	1.0m		100	100			Si	S67a																																																																																							
26	1N1065	100	5.0	100A	60	4.0m		170C	1.5	5.0	25A	1.0m		100	100			Si	S66c																																																																																							
27	1N1071	100	5.0	100A	60	4.0m		170C	1.5	5.0	25A	1.0m		100	100			Si	S68c																																																																																							
28	1N1089	100	5.0	100A	60	4.0m		170C	1.5	5.0	25A	2.0m		100	100			Si	F22h																																																																																							
29	1N1089A	100	5.0	100A				15	1.5	5.0	100A		5.0m	100A	100			Si	F73																																																																																							
30	VRE100X	100	5.0	100	75	8.3m		150	1.5	10	25	2.0	5.0	150	100			SiΔ	M249*																																																																																							
31	VRF100X	100	5.0	100	75	8.3m		150	1.5	10	25	2.0	5.0	150	100			SiΔ	M249*																																																																																							
32	VRG100X	100	5.0	100	75	8.3m		150	1.5	10	25	2.0	5.0	150	100			SiΔ	M249*																																																																																							
33	ESP5100	100	5.0	105C	200	8.3m		150C	1.2	3.0	25C	10u	0.1u	150C	100			Si	A3g																																																																																							
34	1N1613A	100	5.0	150C	150			190J	1.1	6.0	25		.50m	150	100			SiΔ	D04Δ																																																																																							
35	E3B3	100	5.0	150	200			175	1.3	5.0	150	10u	1.0m	150	100			Si	D04																																																																																							
36	F1B3	100	5.0	150C	200			175J	1.3	30	25C		1.0m	150C	100			Si	D05																																																																																							
37	550R1B	100	5.5	25	250			175	2.0	5.5	25	10u	1.0m	150	100			Si																																																																																								
38#	1R61	100	6.0		170			125J	1.0	6.0	25A	500u		100	100			Si																																																																																								
39	NS6001	100	6.0		300	8.3m			1.2	6.0		25u		100	100			Si																																																																																								
40	6A100	100	6.0	25	300	8.0m		175	1.2	6.0	25	25u		100	100			Si	S19f																																																																																							
41	600R1B	100	6.0	25	250			175	2.0	6.0	25	10u	1.0m	150	100			Si																																																																																								
42#	R250-B	100	6.0	40A	400	8.3m		175A	1.0	6.0	25J	10u		800	100			SiΔ	A386																																																																																							
43	R3400106	100	6.0	40A	400	8.3m		175A	1.0	10	150J	50u	500u	150A	100			Si	A396																																																																																							
44#	RV250B	100	6.0	40A	400	8.3m		150A	1.0	6.0	25J	10u		100	100			SiΔ	C197																																																																																							
45#	S25VB10	100	6.0	40A	400			150J	1.05	12	25A	10u		25A				Si	C189a																																																																																							
46	6SB100	100	6.0	50	300	8.3m		150	1.0	3.0	25	10u		100	100			Si	M532a																																																																																							
47	S6A1	100	6.0	50A	300	8.3m		175C	1.0	6.0	25	10u	1.0m	100	100			Si	A1ey																																																																																							
48	6A1	100	6.0	60L	400	8.0m	5.0	175S	900m	6.0	25A	10u		100	100	100	∅	Si	A277e																																																																																							
49	HEPRO101-RT	100	6.0	60A	400													Si																																																																																								
50	P600B	100	6.0	60A	400			175A	1.25	100		25J	25n	100n	100J	100		SiΔ	A1eg																																																																																							
51	TIR102A	100	6.0	70C	40	8.3m		150J	2.0	9.4	25C	10u	2.0m	100C	100			Si	Y220b																																																																																							
52	TIR202A	100	6.0	70C	40	8.3m		150J	1.2	1.0	25C	10u	2.0m	100C	100			Si	TO220AB																																																																																							
53	60S1	100	6.0	95C	400	8.3m		175J	910m	6.0	25J		2.0m	95C	100			Si	A52m																																																																																							
54#	6F10	100	6.0	100A	120	10m		190J	.65	6.0	100B		2.5m	100B	100			SiΔ	D04J																																																																																							
55	10H3	100	6.0	100A	240			175C	1.3	6.0	25A		300u	25A	100			Si	S187c																																																																																							
56#	BY214-100	100	6.0	100	400	10m		150	1.2	20			1.0m	100	100			Si	A318																																																																																							
57#	M6-100	100	6.0	120C	130	10m		150S	1.35	20	25C	20u	500u	150C	100			Si	D04J																																																																																							
58#	G1006	100	6.0	125C	160	10m	5.6	150J	1.2	20	25C		3.0m	125C	100			Si	D04																																																																																							
59#	P1006	100	6.0	125C	160	10m	5.6	150J	1.2	20	25C		3.0m	125C	100			Si	S95a																																																																																							
60	1N1342	100	6.0	150C	66			190J	1.2	10	25J		10m	25	100			Si	S26																																																																																							
61	1N1342A	100	6.0	150B	150			200J	.64	∅	6.0	150B	2.5m	∅	150B	100			Si*	D04																																																																																						
62	1N1342B	100	6.0	150C	150			190J	1.1	6.0			.02m	25C	100			SiΔ	D04Δ																																																																																							
63	1N2148	100	6.0	150C	150			150	1.2	10	25	4.0u	.50m	150A	100			Si	DO10																																																																																							
64	1N2148A	100	6.0	150C	150			150	1.0	10	25	1.0u	.10m	150	100			Si	DO10																																																																																							
65	1N2273	100	6.0	150C	400			150C	1.2	20	25C		1.0m	150C	100			Si	D05																																																																																							
66	1N2492	100	6.0	150C		8.3m		190J	1.1	6.0	25		2.0m	150C	100			Si	D04																																																																																							
67	1N2566																																																																																																									