

# 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> (A)	TEMP (°C)	SURGE CUR. 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)	at I <sub>r</sub> & V <sub>r</sub> (A)	TEMP T (°C)	TEST VOLT V <sub>r</sub> (V)	MAX V BKDN (V)			MIN SLOPE (A/V)
1#	3JZ61	600	3.0	95A	100	10m	2.5	175J	1.0	3.0	25J	10u	2.0u	100J	600			Si	A109f	
2	MR506	600	3.0	95A	100			175J	1.0	9.4	175J	5.0u	2.0u	100J	600			Si	A282	
3	S6BR2	600	3.0	95A	100			130B	55	1.5	25		2.0m	125	600			Si	S81	
4	HR600	600	3.0	100	300	8.0m		150A	1.0	3.0	25	2.0uΔ	5.0u	50A	600			Si	A1sm	
5	P300J	600	3.0	100A	200	8.3m		175	1.1	9.4	25	5.0u	25u	100L	600			Si	A3ac	
6	1N5406	600	3.0	105C	200			170C	1.2	3.0	105C		50m	150C	600			Si	A3q	
7#	BYX49-600	600	3.0	120B	40	10m		150J	2.3	20	25J		200u	125J	400			Si	M754	
8#	DA3/600	600	3.0	120A	80	10m		175J	1.0	3.0	25J		20u	175J	600		1.6k	Si	A369	
9#	1S415	600	3.0	125S	33			150S	1.6	10	25S	5.0u	300u	150	600			Si	S61A	
10	30S6	600	3.0	125L	150	8.3m		175J	1.0	3.0	25J	5.0u	300u	100L	600			Si	A1ts	
11#	D6003	600	3.0	125C	35			125B	1.5	3.0	25		30m	125B	600			SiΔ	S4c	
12	S415Z	600	3.0	125A				150A	1.6	10	25A	5.0u	300u	150	600			SiΔ	S24cZ	
13	3F60Z	600	3.0	140C	40	8.3m		175J	1.2	3.0	25C		300u	140C	600			Si	DO4	
14	1N1587	600	3.0	150C				175B	1.5	6.0	25C		50mZ	150	600			Si	DO4	
15	E2K3	600	3.0	150	200			175	1.3	3.0	150	10u	1.0m	150	600			Si	DO4	
16	JAN1N2153	600	3.2	25A	50	8.0m		150S	1.5	6.0	25	50u	.75m	150C	600			Si	S35	
17	350R6B	600	3.5	25	250			175	2.0	3.5	25		10u	150	600			Si		
18	1N3574	600	3.5	85C	35	8.3m		165C	1.3	3.5	85C		400u	150C	600			Si	DO4	
19	1N2685	600	3.6	25A	15	8.3m		165A	2.6	3.6	25A	300u			600			Si	M126c	
20	1N2748	600	3.6	25A	15	8.3m		165A	2.6	3.6	25A	300u			600			Si	M126g	
21	1N1923	600	4.0	25	30	16m	10	250	1.0	1.0								Si	S82a	
22	400R6B	600	4.0	25	250			175	2.0	4.0	25	10u	1.0m	150	600			Si		
23	UT4060	600	4.0	25	100	8.3m		175A	1.0	3.0	25	5.0u	100u	100	600			SiΔ	A196k	
24	1N2517	600	4.0	30C	30			165	1.1	1.5	25	2.0u			600			SiΔ	DO4Δ	
25	1N2523	600	4.0	30C	25			150C				2.0u	.40m	150C	600			SiΔ	DO4	
26#	BY90	600	4.0	50B	50			150J	1.3	2.0	25J	5.0u			600			SiΔ	S441a	
27#	SSIC1340	600	4.0	120C	100	10m		150J	1.1	7.0	20J	1.0u			600			SiΔ	S112bΔ	
28#	G6004	600	4.0	125C	100	10m	4.0	150J	1.2	13	25C		3.0m	125C	600			I	DO4	
29#	P6004	600	4.0	125C	100	10m	4.0	150J	1.2	13	25C		3.0m	125C	600			Si	S95a	
30	450R6B	600	4.5	25	250			175	2.0	4.5	25	10u	1.0m	150	600			Si		
31	1N1616	600	5.0					175A	1.5	10	25A							Si	DO4	
32#	D248B	600	5.0					125C	1.5	5.0								SiΔ	S495	
33	1N2238	600	5.0	25	20			150	600m	1.5	25		3.0m	3.0m	100A	600			SiΔ	DO4
34	1N2238A	600	5.0	25	100			150	600m	5.0	25		350u	150	600			SiΔ	DO4	
35	1N2239	600	5.0	25	20			150	600m	1.5	25		500u	150	600			SiΔ	S35	
36	1N2239A	600	5.0	25	100			150	600m	5.0	25		350u	150	600			SiΔ	S35	
37	500R6B	600	5.0	25	250			175	2.0	5.0	25	10u	1.0m	150	600			Si		
38	S5A6	600	5.0	50A	300	8.3m		175C	1.0	5.0	25A	1.0u			600			Si	A1ey	
39	M5G5	600	5.0	55A	300			175A	1.1	5.0	50	25u			600			Si	A1ep	
40	SPD9003	600	5.0	55C	300			175J	1.0	5.0	25J	10u			600			Si	A52d	
41	60LF	600	5.0	100A					1.5	5.0	100A		5.0m	100A	600			Si	F73	
42	45536-600	600	5.0	100C	100	10m	600	160J	1.3	10	25C		200u	160C	600	900		Si	M249*	
43	VRF600X	600	5.0	100	75	8.3m			1.5	10	25		5.0m	150	600					
44	VRF600X	600	5.0	100	75	8.3m			1.5	10	25		5.0m	150	600					
45	VRG600X	600	5.0	100	75	8.3m			1.5	10	25		5.0m	150	600					
46	ESP5600	600	5.0	105C	200	8.3m		150C	1.2	3.0	25C	10u	900u	150C	600			Si	A3q	
47#	BYX98-600	600	5.0	125B	60	10m		150J	1.7	20	25J		200u	125J	400			SiΔ	DO4Z	
48#	G65HZ	600	5.0	125C	100	10m	5.0	150J	1.2	15	25C		3.0m	125C	600		1.0k	Si	DO4	
49	1N1616A	600	5.0	150C	150			190J	1.1	6.0	25		5.0m	150	600			SiΔ	DO4Δ	
50	E3K3	600	5.0	150	200			175	1.3	5.0	150	10u	1.0m	150	600			Si	DO4	
51	FIK3	600	5.0	150C	200			175J	1.3	30	25C		1.0m	150C	600			Si	DO5	
52	550R6B	600	5.5	25	250			175	2.0	5.5	25	10u	1.0m	150	600			Si		
53	NS6006	600	6.0		300	8.3m			1.2	6.0	25	25u			600					
54	6A600	600	6.0	25	300	8.0m		175	1.2	6.0	25	25u			600			Si	S19f	
55	6SBF60	600	6.0	25	100	8.3m		150	1.2	6.0	25	10		25	600	650	1.1k	Si	M532a	
56	600R6B	600	6.0	25	250			175	2.0	6.0	25	10u	1.0m	150	600			Si		
57#	R250-M	600	6.0	40A	400	8.3m		175A	1.0	6.0	25J	10u			600			SiΔ	A386	
58	R3400606	600	6.0	40A	400	8.3m		175A	1.0	10	150J	50u	500u	150A	600			Si	A396	
59#	RV250M	600	6.0	40A	400	8.3m		150A	1.0	6.0	25J	10u			600			SiΔ	C197	
60#	6JC12	600	6.0	50A	200			150J	1.2	6.0	25A		1.3	150J	600			Si	S19s	
61	6SB600	600	6.0	50	300	8.3m		150	1.0	3.0	25	10u			600			Si	M532a	
62	S6A6	600	6.0	50A	300	8.3m		175C	1.0	6.0	25A	1.0u			600			Si	A1ey	
63	6A6	600	6.0	60L	400	8.0m	5.0	175S	900m	6.0	25A	10u			600	600		Si	A277e	
64	HEPR0106-RT	600	6.0	60A	400													Si		
65	P600J	600	6.0	60A	400			175A	1.25	100	25J	25n	100n	100J	600			SiΔ	A1eg	
66#	46R2	600	6.0	75A	10			150C	1.2	6.0	25C		2.5m	150C	600			SiΔ	DO4Z	
67#	46R2S	600	6.0	75A	75	10m		150C	1.2	6.0	25C		2.0m	150C	600		700	SiΔ	DO4Z	
68#	BYX38/600	600	6.0	75B	38			150J	1.7	5.0	25J	10u	200u	125J	400			Si	DO4Z	
69	60S6	600	6.0	95C	400	8.3m		175J	910m	20	25J		500uZ	95C	600			Si	A52m	
70#	6F60	600	6.0	100A	120	10m		190J	.65	6.0	100B		2.5m	100B	600			SiΔ	DO4Z	
71	60H3	600	6.0	100A	240			175C	1.3	6.0	25A		300u	25A	600			Si	S187cZ	
72#	M6-600	600	6.0	120C	130	10m		150S	1.35	20	25C	20u	500u	150C	600			Si	DO4Z	
73#	BYX48-600	600	6.0	125B	90	10m		175J	1.8	15	25J		200u	125J	400			Si	DO4Z	
74#	G6006	600	6.0	125C	160	10m	5.6	150J	1.2	20	25C		3.0m	125C	600			Si	DO4	
75#	P6006	600	6.0	125C	160	10m	5.6	150J	1.2	20	25C		3.0m	125C	600			Si	S95a	
76	1N1348	600	6.0	150C	66			190J	1.2	10	25J		1.0m	25	600			Si	S26	
77	1N1348A	600	6.0	150B	150			200J	.64	6.0	150B		1.0m	150B	600			Si*	DO4	
78	1N1348B	600	6.0	150C	150			190J	1.1	6.0			.02m	25C	600			SiΔ	DO4Δ	
79	1N2153	600	6.0	150C	150			150	1.2	6.0	25	4.0u	.50m	150A	600			Si	DO10	
80	1N2153A	600	6.0	150C	150			150	1.0	10										