

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 (V)	MAX AVG FWD DC CURRENT		MAX RATINGS @ 25°C		DISS. (W)	MAX. TEMP (°C)	MAXIMUM FORWARD VOLTAGE DROP			MAX. REVERSE CURRENT		TEMP TEST (°C)	TEST VOLT Vr (V)	AVALANCHE RATINGS		DESCRIPTION	DWG. No.	
			2 Io (A)	3 at TEMP (°C)	PEAK 1 Cy (A)	PULSE WIDTH (s)			Vf (V)	at If (A)	at TEMP (°C)	Ir @ 25°C & Vr (A)	Ir & Vr (A)			MAX V BKDN (V)	MIN SLOPE (A/V)			MAT.
1#	BYX45-600R	600	1.5	55A	40	10m		150J	1.45	5.0	25J	100u	125J	600				Si	DO1	
2#	CTM-26	600	1.5	60A	100	10m		140J	1.3	5.0	25J	100u	100	600				Si	DO1	
3#	SA2A	600	1.5	60A	100	10m		140J	930m	1.5	25A	10u	600				Si	A268		
4	1N1120	600	1.5	70C	15			155A	65 ∅	1.5	150	30m∅	150	600				Si	DO4	
5	1N5397	600	1.5	70C	50	§		170C	1.4	1.5	70C	30m	150	600				Si	DO15	
6	1N5397GP	600	1.5	70A	50	8.3m		175A	1.4	1.5	70A	300u	150J	600				Si	DO15	
7	AE1E	600	1.5	75A	60	8.0m	1.0	175A	1.0	1.5	25	50u	100A	600				Si	DO15	
8	CTN600	600	1.5	75	50	10m		175A	1.0	750m	25A	10u	600				Si	M594*		
9	CTF600	600	1.5	75	50	10m		175A	1.0	750m	25A	10u	600				Si	M594*		
10	J6	600	1.5	75A	60	8.0m	1.0	175A	1.0	1.5	25A	50u	100A	600				Si	DO15	
11	VB600	600	1.5	75	50	10m		175A	1.0	1.0	25A	10u	600				Si	M594b*		
12#	1R5JZ61	600	1.5	100A	75	10m		175J	1.0	1.5	25J	10u	600				Si	A109e		
13	60J1	600	1.5	100A	100			150C	85	1.5	25A	2.5m	600				Si	A52		
14	60LA	600	1.5	100	100			100A			25n	600					Si	F42		
15#	D1.5/800	600	1.5	120A	50	§		175J	1.0	1.0	25J	25u	100J	600				Si	A368	
16#	DA1.5/600	600	1.5	120A	50	§		175J	1.0	1.0	25J	20u	100J	600		1.6k		Si	A368	
17#	SSIC0840	600	1.6	45A	100	10m		180J	1.0	3.0	20J	1.0u	600				Si	A31v		
18	1N1234B	600	1.6	50	30				1.2	1.0	25	10u	150	600				Si	S25a	
19	1N1224	600	1.6	135C	20			175J	1.5	2.5	25J	500u	1.5m	150J	600			Si	DO1	
20	1N1234	600	1.6	135C	20			175J	1.5	2.5	25J	500u	1.5m	150J	600			Si	S25	
21	1N1224B	600	1.6	140C	25			175	1.7	1.2	25	300u∅	10mΔ	25	600			Si	DO1	
22	1N1234A	600	1.6	140C	20			175J	1.5	2.5	25J	50u	50m	150J	600			Si	S25	
23	1N1544	600	1.6	140C	20			175J	1.5	2.5	25J	50u	50m	150J	600			Si	DO4	
24	1N1224A	600	1.6	175J	20			175J	1.5	2.5	25J	50u	50m	150J	600			Si	DO1	
25#	SSIC1140	600	1.9	45A	100	10m		180J	1.0	3.0	20J	1.0u	600				Si	A230		
26	NS2006	600	2.0	200	8.3m				1.2	2.0	25	25u	600					Si	DO27	
27	1N3940	600	2.0	25A	60	1.0m	1.8	175A	1.1	6.0	25A	5.0uΔ	50m	150A	600		1.0k	15uΔ	Si	DO13
28	ZSBF60	600	2.0	25	50	8.3m		150	1.2	2.0	25	10	25	600		650	1.1k		Si	M532a
29	Z00R6B	600	2.0	25	60			175	2.0	2.0	25	5.0u	50m	150	600				Si	
30	AB600	600	2.0	25	15		3.0	100	1.25	1.0	25	5.0u	600					Si	A3q	
31#	BYW54	600	2.0	25	50	10m	100	175J	1.0	1.0	25A	1.0u	20u	100J	600		1.6k		Si	A368
32#	F62	600	2.0	25A	70	10m	2.4	175J	1.2 Δ	2.0	25C	1.0m	150A	600				Si	DO13	
33#	F62Z	600	2.0	25A	70	10m	2.4	175J	1.2 Δ	2	25A	1.0m	150A	600			1.0k		Si	DO13
34	M2G1	600	2.0	25	250			175A	50		150	2.0u	5.0m	150	600				Si	A1ep
35	M2G5	600	2.0	25	250			175A	50		150	10u	5.0m	150	600				Si	A1ep
36#	M2G9	600	2.0	25	250			175A	50		150	10u	5.0m	150	600		720	200u	Si	A1ep
37	UT267	600	2.0	25A	30	8.3m		175A	1.0	900 ∇	25A	2.0u	75u	100A	600				Si	A60
38	UT2060	600	2.0	25	60	8.3m		175A	1.0	1.0	25	5.0u	100u	100	600				Si	A196k
39#	1S2414	600	2.0	40A	150	8.3m		150J	1.1 †	10	25A	100u	1.0m	150J	600				Si	A1fn
40#	1S2421	600	2.0	40A	150	8.3m		150J	1.1 †	10	25A	100u	1.0m	150J	600				Si	A1fn
41#	SR3AM12	600	2.0	40A	150	8.3m		150J	1.1 †	10	25A	100u	1.0m	150J	600				Si	A279
42	VS648X	600	2.0	45	35	8.3m		150J	1.1	10	25A	100u	1.0m	150J	600				Si	A1fn
43	1N5176	600	2.0	50A	200			175A	1.2 †	2.0	50A	25u	50A	600				Si	DO27	
44	ZSB600	600	2.0	50	50	8.3m		150	1.0	1.0	25	10u	600					Si	M532a	
45	B8G5	600	2.0	50	90	8.3m		175A	1.0	2.0	25A	5.0u	500u	150	600				Si	A1rx
46	B172.60	600	2.0	50	60			150C	2.0	2.0	25	5.0u	50m	100	600				Si	
47	K8G5	600	2.0	50	60			150C	2.0	2.0	25	5.0u	50m	100	600				Si	
48	PD60	600	2.0	50A	50			125A	.90	1.0	25A	5.0u	600					Si	M40a*	
49	Si6A	600	2.0	50A	80	10m		150C	1.0	3.0	25A	1.0u	600					Si	A1bc	
50	HB600	600	2.0	75A	200			175C	1.0	2.0	25A	5.0u	600					Si	A179b	
51	SRS260	600	2.0	75	65	8.3m		175A	1.2	2.0	25	5.0u	150u	150	600				Si	A340
52	20D6	600	2.0	100L	50	8.3m		170J	1.3	2.0	25C	1.0u	600					Si	DO38	
53#	BY54Δ	600	2.1	25C	50	10m		175J	1.0	1.0	25C	10u	100J	600		1.0k		Si	A249c	
54	Z50R6B	600	2.5	25	250			175	2.0	2.5	25A	1.0u	150	600				Si		
55#	GM3A	600	2.5	25A	80	10m		175J	1.2	3.0	25A	5.0u	600					Si	A249c	
56	M3G1	600	2.5	25	250			175A	50		150	2.0u	5.0m	150	600				Si	A1ep
57	M3G5	600	2.5	25	250			175A	50		150	10u	5.0m	150	600				Si	A1ep
58#	M3G9	600	2.5	25	250			175A	50		150	10u	5.0m	150	600		720	200u	Si	A1ep
59#	SL603F	600	2.5	30A	100	§		150C	1.05	7.5	25A	5.0u	100A	600				Si	DO1	
60#	U05G	600	2.5	90L	100	10m		175J	1.1 †	2.5	25L	10u	100A	600				Si	A333b	
61	1N2530	600	2.5	150C	50			150C	1.2	4.0	25C	4.0u	50m	150C	600				Si	DO10
62	1N2541	600	2.5	150C	50			150C	1.0	4.0	25C	1.0u	50m	150C	600				Si	DO10
63	1N2552	600	2.5	150C	50			150C	1.5	40	25C	10u	1.0m	150	600				Si	DO10
64	BY207	600	2.5	150C	50			150C	1.2	2.5	25C	4.0u	50m	150C	600				Si	DO4
65	MA60	600	2.5	150B	30			190B	1.0 Δ	2.5	150B	15uΔ	600					Si	DO4	
66#	KD202R	600	3.0					130C	1.0	3.0 †	1.0m∅	1.0m∅	120A	600				Si	S477	
67	NS3006	600	3.0	300	8.3m				1.2	3.0	25	25u	600					Si	A1eq	
68	1N2714	600	3.0	25A	15	8.3m		165A	2.6	3.0	25A	200u	600					Si	M126a	
69	1N2737	600	3.0	25A	15	8.3m		165A	2.6	3.0	25A	300u	600					Si	M126d	
70	1N2762	600	3.0	25A	15															