

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			MAX. TEMP (°C)	MAXIMUM FORWARD VOLTAGE DROP			MAX. REVERSE CURRENT			AVALANCHE RATINGS		DESCRIPTION	DWG. No.	
			I _o (A)	I _o (A)	I _o (A)	SURGE PEAK 1 Cy (A)	PULSE WIDTH (s)	DISS. (W)		V _f (V)	at I _f (A)	at T _o (°C)	I _r @ 25°C (A)	I _r at T _o (A)	TEMP T (°C)	TEST V _r (V)	MAX V BKDN (V)			MIN SLOPE (A/V)
1	SRS320	200	3.0	25	125	8.3m	175A	1.3	9.0	25	5.0u	75u	100	200			Si	A340a		
2	UT3020	200	3.0	25	80	8.3m	175A	1.0	2.0	25	5.0u	100u	100	200			Si	A196k		
3	1N4999	200	3.0	40A	300	8.3m	175A	1.0	3.0	25	75A	2.0m	175A	200			Si	M176a		
4#	S2M3	200	3.0	40A	185		150A	1.0	3.0	25J	15u	500u	150J	200			Si	A52d		
5	V322	200	3.0	40A	100	8.3m	150J	1.2	3.0	25A		100u	150J	200	700		Si	A1zz		
6	V332	200	3.0	40A	100	8.3m	150J	1.2	3.0	25A		100u	150J	200			Si	A1zz		
7	V342	200	3.0	40A	200	8.3m	150J	1.1	3.0	25A		100u	150J	200	700		Si	A1zz		
8	V352	200	3.0	40A	200	8.3m	150J	1.1	3.0	25A		100u	150J	200			Si	A1zz		
9	1N1124	200	3.0	50A	25	8.3m	150A	1.1	1.0	25A		30m	150A	200			Si	DO4		
10	1N4141	200	3.0	50A	300	8.3m	175A	1.0	3.0	50A		200u	50A	200			Si	A1vm		
11	AS3C	200	3.0	50A	300	8.3m	150A	1.0	3.0	25		20u	200	200			Si	A1vp		
12#	BY251	200	3.0	50A	100	10m	150J	1.1	3.0	25A	5.0u	20u	200	200			Si	DO27		
13	HAB020	200	3.0	50	300	8.3m	150A	1.1	3.0	25	5.0u	150u	100	200			Si	A1zz		
14	S3A2	200	3.0	50A	300	8.3m	175C	1.0	3.0	25A	1.0u		200	200			Si	A1ey		
15#	1N3361	200	3.0	55C	30	8.3m	200C	1.0	1.0	55C		10u	55C	200			Si	S505		
16	1N5199	200	3.0	55A	300	8.3m	175A	1.0	3.0	55A		7.6	175A	200			Si	A1rv		
17	3S12	200	3.0	55	300	8.3m	150J	1.0	3.0	25	10u		200	200			Si	A1xg		
18#	S3G20	200	3.0	70A	100	20m	175J	1.05	3.0	25A			200	200			Si	A333a		
19	1N4721	200	3.0	75A	300		175A	1.0	3.0	75		2.0m	175	200			Si	A179a		
20	3E2	200	3.0	75A	300		175A	1.0	3.0	25	5.0u	100u	50	200			Si	A1vk		
21	AE3C	200	3.0	75A	300	4.0m	175A	1.0	3.0	25	5.0u		200	200			Si	A1vk		
22	HC200	200	3.0	75	300		175	1.0	1.0	25		1.0m	25	200			Si	A179		
23#	BYW17-200	200	3.0	80A	240	10m	150J	1.2	10	25A	25u	250u	100C	200			Si	A318		
24	S52A	200	3.0	80	20		150J	1.3	5.0	25	100u		200	200			Si	S48		
25#	3D261	200	3.0	95A	100	10m	175J	1.0	3.0	25J	10u	25u	100J	200			Si	A109f		
26	MR502	200	3.0	95A	100		175J	1.0	9.4	175J	5.0u	2.0m	125	200			Si	A282		
27#	S2BR2	200	3.0	95B	53		130B	55	1.5	25		2.0m	125	200			Si	S81		
28	HR200	200	3.0	100	300	8.0m	150A	1.0	3.0	25	2.0u	5.0u	50A	200			Si	A1sm		
29	P300D	200	3.0	100A	200	8.3m	175	1.1	9.4	25	5.0u	25u	100	200			Si	A3ac		
30	1N5402	200	3.0	105C	200		170C	1.2	3.0	105C		30m	150C	200			Si	A3g		
31#	1S411	200	3.0	125S	33		150S	1.6	10	25S	5.0u	300u	150	200			Si	S61Δ		
32	30S2	200	3.0	125L	150	8.3m	175J	1.0	3.0	25J	5.0u	300u	100	200			Si	A1ts		
33#	D2003	200	3.0	125B	35		125B	1.5	3.0	25		.30m	125B	200			Si	S4e		
34	S411	200	3.0	125A			150A	1.6	10	25A	5.0u	.30m	150	200			Si	S24c		
35	3F20	200	3.0	140C	40	8.3m	175J	1.2	3.0	25C		300u	140C	200			Si	DO4		
36	1N1583	200	3.0	150C			175B	1.5	6.0	25C		.50m	150	200			Si	DO4		
37	E2C3	200	3.0	150	200		175	1.3	3.0	150	10u	1.0m	150	200			Si	DO4		
38	350R2B	200	3.5	25	250		175	2.0	3.5	25	5.0u	1.0m	100	200			Si	C188b		
39#	S5VB20	200	3.5	40A	200		150J	1.05	3.0	25		10u	25	200			Si	C188b		
40#	SS3	200	3.5	60A	200	10m	150J	950m	1.7	25A	10u		200	200			Si	M823		
41	1N3570	200	3.5	85C	35	8.3m	165C	1.3	3.5	85C		400u	150C	200			Si	DO4		
42	1N2673	200	3.6	25A	15	8.3m	165A	1.3	3.6	25A	300u		200	200			Si	M126a		
43	1N2742	200	3.6	25A	15	8.3m	165A	1.3	3.6	25A	300u		200	200			Si	M126c		
44	1N1919	200	4.0	25	30	16m	250	1.0	1.0					200			Si	S82a		
45	400R2B	200	4.0	25	250		175	2.0	4.0	25	5.0u	1.0m	100	200			Si	S82a		
46#	BY193	200	4.0	25C	75	10m	150J	1.3	3.0	25	10u		25	200			Si	S441a		
47	UT4020	200	4.0	25	100	8.3m	175A	1.0	3.0	25	5.0u	100u	100	200			Si	A196k		
48	1N2513	200	4.0	30C	30		165	1.1	1.5	25	2.0u		200	200			Si	DO4Δ		
49	1N2519	200	4.0	30C	25		150C					.25m	150C	200			Si	S117		
50#	G2004	200	4.0	125C	100	10m	150J	1.2	13	25C		3.0m	125C	200			Si	DO4		
51#	P2004	200	4.0	125C	100	10m	150J	1.2	13	25C		3.0m	125C	200			Si	S95a		
52	450R2B	200	4.5	25	250		175	2.0	4.5	25	5.0u	1.0m	100	200			Si	C189		
53#	S15VB20	200	4.5	40A	200		150J	1.05	7.5	25A	10u		25A	200			Si	DO4		
54	1N1614	200	5.0				175A	1.5	10	25A				200			Si	S495		
55#	D243B	200	5.0				125C	1.5	5.0		3.0m	3.0m	100A	200			Si	DO4		
56	1N2230	200	5.0	25	20		150	.60	1.5	25		500u	150	200			Si	DO4		
57	1N2230A	200	5.0	25	100		150	.60	5.0	25		350u	150	200			Si	DO4		
58	1N2231	200	5.0	25	20		150	.60	1.5	25		500u	150	200			Si	S35		
59	1N2231A	200	5.0	25	100		150	.60	5.0	25	5.0u	350u	150	200			Si	S35		
60	500R2B	200	5.0	25	250		175	2.0	5.0	25	5.0u	1.0m	100	200			Si	S352b		
61#	SKN5/02	200	5.0	45A	190	10m	180J	1.25	15	25J	25u		200	200			Si	A1ey		
62	S5A2	200	5.0	50A	300	8.3m	175C	1.0	5.0	25A	1.0u		200	200			Si	A1ep		
63	M5C5	200	5.0	55A	300		175A	1.1	5.0	50	25u		200	200			Si	A52d		
64	SPD9001	200	5.0	55C	300		175J	1.0	5.0	25J	10u		200	200			Si	M824		
65#	SS5	200	5.0	60A	250	10m	150J	950m	2.5	25A	10u		200	200			Si	S67a		
66	1N1061	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m		200	200			Si	S66c		
67	1N1067	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m		200	200			Si	S68c		
68	1N1073	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m		200	200			Si	F22h		
69	1N1090	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	2.0m		200	200			Si	F73		
70	1N1090A	200	5.0	100A			175	1.5	5.0	100A		5.0m	100A	200			Si	M249*		
71	45536-200	200	5.0	100C	100	10m	160J	1.3	10	25C		200u	160C	200	500		Si	M249*		
72	VRE200X	200	5.0	100	75	8.3m	150	1.5	10	25	2.0	5.0	150	200			Si	M249*		
73	VRF200X	200	5.0	100	75	8.3m	150	1.5	10	25	2.0	5.0	150	200			Si	M249*		
74	VRG200X	200	5.0	100	75	8.3m	150	1.5	10	25	2.0	5.0	150	200			Si	M249*		
75	ESP5200	200	5.0	105C	200	8.3m	150C	1.2	3.0	25C	10u	900u	150C	200			Si	A3g		
76	1N1614A	200	5.0	150C	150		190J	1.1	6.0	25		.50m	150	200			Si	DO4Δ		
77	E3C3	200	5.0	150	200		175	1.3	5.0	150	10u	1.0m	150	200			Si	DO4		
78	F1C3	200	5.0	150C	200		175J	1.3	30	25C		1.0m	150C	200			Si	DO5		
79	550R2B	200	5.5	25	250		175	2.0	5.5	25	5.0u	1.0m	100	200			Si			
80#	1R62	200	6.0		170		125J	1.0	6.0	25A	500u		200	200			Si			
81	NS6002	200	6.0		300	8.3m		1.2	6.0		25u		200	200			Si			
82	6A200	200	6.0	25	300	8.0m	175	1.2	6.0	25										