

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		MAX. TEMP (°C)	MAXIMUM FORWARD VOLTAGE DROP			MAX. REVERSE CURRENT			AVALANCHE RATINGS		DESCRIPTION	MAT.	DWG. No.
			2 Ic (A)	3 I _{at} TEMP (°C)	PEAK SURGE CUR. 1 Cy (A)	PULSE WIDTH (s)		DISS. (W)	Vf (V)	at If (A)	at TEMP (°C)	Ir @ 25°C & Vr (A)	at Tr & Vr (A)	TEMP T (°C)	TEST Vr (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		175A	1.0	3.0	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		150A	1.1	1.0	25A		300m	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		Si	A1vp	
12#	BY251	200	3.0	50A	100	10m	150J	1.1	3.0	25A	5.0u			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		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	3Si2	200	3.0	55	300	8.3m	150J	1.0	3.0	25	10u			200		Si	A1xg	
18#	S3G20	200	3.0	70A	100	20m	175J	1.05	3.0	25A				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		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		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	25	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		30u	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		
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		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		Si	M126a	
43	1N2742	200	3.6	25A	15	8.3m	165A	1.3	3.6	25A	300u			200		Si	M126c	
44	1N1919	200	4.0	25	30	16m	250	1.0	1.0							Si	S82a	
45	400R2B	200	4.0	25	250		175	2.0	4.0	25	5.0u	1.0m	100	200		Si		
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		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		
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						Si	C189	
55#	D243B	200	5.0				125C	1.5	5.0		3.0m	3.0m	100A	200		Si	S495	
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		
61#	SKN5/02	200	5.0	45A	190	10m	180J	1.25	15	25J	25u			200		Si	S352b	
62	S5A2	200	5.0	50A	300	8.3m	175C	1.0	5.0	25A	1.0u			200		Si	A1ey	
63	M5C5	200	5.0	55A	300		175A	1.1	5.0	50	25u			200		Si	A1ep	
64	SPD9001	200	5.0	55C	300		175J	1.0	5.0	25J	10u			200		Si	A52d	
65#	SS5	200	5.0	60A	250	10m	150J	.950m	2.5	25A	10u			200		Si	M824	
66	1N1061	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m			200		Si	S67a	
67	1N1067	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m			200		Si	S66c	
68	1N1073	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	1.0m			200		Si	S68c	
69	1N1090	200	5.0	100A	60	4.0m	170C	1.5	5.0	25A	2.0m			200		Si	F22h	
70	1N1090A	200	5.0	100A			175	1.5	5.0	100A		5.0m	100A	200		Si	F73	
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		Si		
81	NS6002	200	6.0		300	8.3m		1.2	6.0		25u			200		Si		
82	6A200	200	6.0	25	300	8.0m	175	1.2	6.0	25	25u			200		Si	S19f	
83	6SBF20	200	6.0	25	100	8.3m	150	1.2	6.0	25	10		25	200	250	700	Si	M532a
84	600R2B	200	6.0	25	250		175	2.0	6.0	25	5.0u	1.0m	100	200		Si		
85#	R250-D	200	6.0	40A	400	8.3m	175A	1.0	6.0	25J	10u		800	200		Si	A386	
86	R3400206	200	6.0	40A	400	8.3m	175A	1.0	10	150J	50u	500u</						