

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		TEMP TEST (V)	TEMP (°C)	AVALANCHE RATINGS		DESCRIPTION	DWG. No.
			I _o (A)	I ₃ (A)	PEAK 1 Cy (A)	PULSE WIDTH (s)	DISS. (W)	MAX. TEMP (°C)	V _f (V)	at I _f (A)	at TEMP (°C)	I _r @ 25°C (A)	I _r at T & V _r (A)			MAX V BKDN. (V)	MIN SLOPE (A/V)		
1#	SL2803G	800	2.5	25A	100	10m	150J	1.05	7.5	25C	5.0u	110u	100C	800	1.8k		Si	D01	
2#	SL803F	800	2.5	30A	100	10m	150C	1.05	7.5	25A	5.0u	110u	100A	800			Si	D01	
3#	SKE2.5/08	800	2.5	45A	180	10m	150J	1.25	10	25J	10u		800			Si	M571c		
4#	SKN2.5/08	800	2.5	45A	180	10m	180J	1.25	10	25J	10u		800			Si	S452		
5#	U05J	800	2.5	90L	100	10m	175J	1.1	2.5	25L	5.0u		800			Si	A333b		
6	1N2532	800	2.5	150C	50		150C	1.2	4.0	25C	4.0u	50m	150C	800			Si	D010	
7	1N2543	800	2.5	150C	50		150C	1.0	4.0	25C	1.0u	1.0m	150C	800			Si	D010	
8	1N2554	800	2.5	150C	50		150C	1.5	4.0	25C	1.0u	1.0m	150C	800			Si	D010	
9	MA80	800	2.5	150B	30		190B	1.0	2.5	150B	15uA		800			Si	D04		
10	NS3008	800	3.0		300	8.3m		1.2	3.0		25u		800			Si	A1eq		
11	SK35 16-RT	800	3.0		75		200C	1.9			500u		800			Si	D04		
12	1N2717	800	3.0	25A	15	8.3m	165A	2.6	3.0	25A	300u		800			Si	M126a		
13	1N2738	800	3.0	25A	15	8.3m	165A	2.6	3.0	25A	300u		800			Si	M126b		
14	1N2763	800	3.0	25A	15	8.3m	165A	2.6	3.0	25A	300u		800			Si	M126d		
15	3AF8	800	3.0	25A	150		150C	2.6	3.0	25A	300u		200			Si	A222		
16	300R8B	800	3.0	25	250		175	2.0	3.0	25	10u	1.0m	150	800			Si		
17	AC800	800	3.0	25A	50		150C	1.0	3.0	25A	5.0u		800			Si	A1ey		
18#	BYW85	800	3.0	25	80	10m	175J	1.0	3.0	25A	1.0u	20u	100J	800	1.6k		Si	A369	
19	HEPRO087-RT	800	3.0	25	300		175J						800			Si	A179		
20	MAK1	800	3.0	25	250		175A	.50		150	2.0u	5.0m	150	800			Si	A1ep	
21	MAK5	800	3.0	25	250		175A	.50		150	10u	5.0m	150	800			Si	A1ep	
22#	MAK9	800	3.0	25	250		175A	.50		150	10u	5.0m	150	800			Si	A1ep	
23	SRS380	800	3.0	25	125	8.3m	175A	1.3	9.0	25	5.0u	75u	100	800	960	200u	Si	A340a	
24	1N5002	800	3.0	40A	300		175A	1.0	3.0	25A		1.0m	175A	800			Si	M176a	
25#	S8M3	800	3.0	40A	185		150A	1.0	3.0	25J	15u	500u	150J	800			Si	A52d	
26#	S10H3	800	3.0	40A	162	10m	150A	1.0	3.0	25A	18u	500u	150J	1.0k			Si	A52q	
27	V328	800	3.0	40A	100	8.3m	150J	1.2	3.0	25A	100u	150J	800	1.3k			Si	A1zz	
28	V338	800	3.0	40A	100	8.3m	150J	1.2	3.0	25A	100u	150J	800			Si	A1zz		
29	V348	800	3.0	40A	200	8.3m	150J	1.1	3.0	25A	100u	150J	800	1.3k			Si	A1zz	
30	V358	800	3.0	40A	200	8.3m	150J	1.1	3.0	25A	100u	150J	800			Si	A1zz		
31	1N4144	800	3.0	50A	300	8.3m	175A	1.0	3.0	50A	200u	50A	800			Si	A1vm		
32#	3LC12	800	3.0	50A	90		150J	1.2	3.0	25A	1.0	150J	800			Si	S19s		
33	AS3F	800	3.0	50A	300	8.3m	150A	1.0	3.0	25	5.0u		800			Si	A1vp		
34#	BY254	800	3.0	50A	100	10m	150J	1.1	3.0	25A	20u		800			Si	D027		
35	HAB080	800	3.0	50	300	8.3m	150A	1.1	3.0	25	5.0u	150u	100	800			Si	A1ez	
36#	PF8HZ	800	3.0	50A	100	10m	150J	1.1	3.0	25C	20u		800	1.4k		Si	D027		
37	S3A8	800	3.0	50A	300	8.3m	175C	1.0	3.0	25A	1.0u		800			Si	A1ey		
38	S800	800	3.0	50	25		175	1.0	1.0	25	5.0u		800	800		Si	D04		
38#	1N3367	800	3.0	55C	30	8.3m	200C	1.5	Δ	500m		10u	55C	800			Si	S505	
40#	S3G80Z	800	3.0	70A	100	20m	175J	1.05	3.0	25A	10u		800	1.6k		Si	A333a		
41	1N4724	800	3.0	75A	300		175A	1.0	3.0	75		1.0m	175	800			Si	A179a	
42	3E8	800	3.0	75A	300	4.0m	175A	1.0	3.0	25	5.0u	100u	50	800			Si	A1vk	
43	AE3F	800	3.0	75A	300	4.0m	175A	1.0	3.0	25	5.0u		800			Si	A1vk		
44	HC800	800	3.0	75	300	3.0	175	1.0	1.0	25		1.0m	25	800			Si	A179	
45#	BYW17-800	800	3.0	80A	240	10m	150J	1.2	10		25u	250u	100C	800			Si	A318	
46#	BYW18-800	800	3.0	80A	240	10m	150J	1.2	10		25u	250u	100C	800			Si	A318	
47	S58	800	3.0	80	20		175J	1.3	5.0	25	100u		800	1.4k		Si	S48		
48#	3LZ61	800	3.0	95A	100	10m	175J	1.0	3.0	25J	10u		800			Si	A109f		
49	MR508	800	3.0	95A	100		175J	1.0	9.4	175J	5.0u	25u	100J	800			Si	A282	
50#	S8BR2	800	3.0	95B	53		130B	.55	Δ	1.5	25	2.0m	125	800			Si	S81	
51	HR800	800	3.0	100	300	8.0m	150A	1.0	3.0	25	2.0u	50A	800			Si	A1sm		
52	P300K	800	3.0	100A	200	8.3m	175	1.1	9.4	25	5.0u	25u	100L	800			Si	A3ac	
53	1N5407	800	3.0	105C	200		170C	1.2	3.0	105C	.50m	150C	800			Si	A3q		
54#	DA3/800	800	3.0	120A	80	10m	175J	1.0	3.0	25J		20u	175J	800	1.6k		Si	A369	
55#	1S417	800	3.0	125S	33		150S	1.6	10	25S	5.0u	300u	150	800			Si	S61A	
56	30S8	800	3.0	125L	150	8.3m	175J	1.0	3.0	25J	5.0u	300u	100L	800			Si	A1ts	
57#	D8003	800	3.0	125C	35		125B	1.5	3.0	25	.30m	125B	800			Si	S4c		
58	S417	800	3.0	125A	40	8.3m	150A	1.6	10	25A	5.0u	.30m	150	800			Si	S24d	
59	3F80	800	3.0	140C	40		175J	1.2	3.0	25C		300u	140C	800			Si	D04	
60	E2N3	800	3.0	150	200		175	1.3	3.0	150	10u	1.0m	150	800			Si	D04	
61#	3LF11	800	3.0	155C	90	10m	175J	1.3	15	25J		750u	175J	800	1.3k		Si	S187a	
62	350R8B	800	3.5	25	250		175	2.0	3.5	25	10u	1.0m	150	800			Si		
63	1N2687	800	3.6	25A	15	8.3m	165A	2.6	3.6	25A	300u		800			Si	M126c		
64	1N2749	800	3.6	25A	15	8.3m	165A	2.6	3.6	25A	300u		800			Si	M126g		
65	1N1925	800	4.0	25	30	16m	250	1.0	1.0	Δ			800			Si	S82a		
66	400R8B	800	4.0	25	250		175	2.0	4.0	25	10u	1.0m	150	800			Si		
67#	BY195	800	4.0	25C	75	10m	150J	1.3	3.0	25	10u		25	800			Si	S441a	
68#	G8004	800	4.0	125C	100	10m	150J	1.2	13	25C		3.0m	125C	800			Si	D04	
69#	P8004	800	4.0	125C	100	10m	150J	1.2	13	25C		3.0m	125C	800			Si	S95a	
70	450R8B	800	4.5	25	250		175	2.0	4.5	25	10u	1.0m	150	800			Si		
71	1N2240	800	5.0	25	20		150	600m	1.5	25		750u	150	800			Si	D04	
72	1N2240A	800	5.0	25	100		150	600m	5.0	25		350u	150	800			Si	D04	
73	1N2241	800	5.0	25	20		150	600m	1.5	25		750u	150	800			Si	S35	
74	1N2241A	800	5.0	25	100		150	600m	5.0	25		350u	150	800			Si	S35	
75	600R8B	800	5.0	25	250		175	2.0	5.0	25	10u	1.0m	150	800			Si		
76#	SKN5/08	800	5.0	45A	190	10m	180J	1.2	10	25J	100u		560			Si	S352b		
77	S5A8	800	5.0	50A	300	8.3m	175C	1.0	5.0	25A	1.0u		800			Si	A1ey		
78	M5K5	800	5.0	55A	300		175A	1.1	5.0	50	25u		800			Si	A1ep		
79	SPD9004	800	5.0	55C	300	8.3m	175J	1.0	5.0	25J	10u		800			Si	A52d		
80	ESP5800	800	5.0	105C	200	8.3m	150C	1.2	3.0	25C	10u	900u	150C	800			Si	A3q	
81#	G85HZ	800	5.0	125C	100	10m	150J	1.2	15	25C		3.0m	125C	800	1.4k		Si	D04	
82	1N4458	800	5.0	150B	150		175B	1.5	5.0	150B		.50m	150B	800			Si	D04	
83	E3N3	800	5.0	150	200		175	1.3	5.0	150	10u	1.0m	150	800			Si	D04	
84	F1N3	800	5.0																