

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			REVERSE CURRENT			TEMP TEST VOLT (V)	AVALANCHE RATINGS		DESCRIPTION MAT.	DWG. No.
			2 I _o (A)	3 I _{at} (A)	TEMP (°C)	PEAK 1 Cy (A)	PULSE WIDTH (s)	DISS. (W)		V _f (V)	at I _f (A)	at TEMP (°C)	I _r @ 25°C & V _r (A)	I _r at T & V _r (A)	TEMP (°C)		MAX V BKDN (V)	MIN SLOPE (A/V)		
			(A)	(A)	(°C)	(A)	(s)	(W)		(V)	(A)	(°C)	(A)	(A)	(°C)		(V)	(A/V)		
1#	SA2C	1.0k	1.5	60A	100	10m	140J	930m	1.5	25A	10u							Si	A268	
2#	151888J	1.0k	1.5	65A	60	10m	150J	1.2	25A									Si	A1jw	
3	1N5399	1.0k	1.5	70C	50	5	170C	1.4	1.5	70C								Si	DO15	
4	1N5399GP	1.0k	1.5	70A	50	8.3m	175A	1.4	1.5	70A								Si	DO15	
5	AE1G	1.0k	1.5	75A	60	8.0m	175A	1.0	1.5	25	1.0u							Si	DO15	
6	CTN1000	1.0k	1.5	75	50	10m	175A	1.0	750m	25A								Si	M594*	
7	CTP1000	1.0k	1.5	75	50	10m	175A	1.0	750m	25A	10u							Si	M594a*	
8	J10	1.0k	1.5	75A	60	8.0m	175A	1.0	1.5	25A								Si	DO15	
9	VB1000	1.0k	1.5	75	50	10m	175A	1.0	1.0	25A	10u							Si	M594b*	
10#	D1.5/1000	1.0k	1.5	120A	50	5	175J	1.0	1.0	25J								Si	A368	
11#	DA1.5/1000	1.0k	1.5	120A	50	5	175J	1.0	1.0	25J							1.6k	Si	A368	
12#	SSiC0880	1.0k	1.6	45A	100	10m	180J	1.0	3.0	20J	1.0u							Si	A31v	
13	1N1444A	1.0k	1.6	50	30			1.2	1.0	25	50u							Si	S25a	
14	1N1444B	1.0k	1.6	50	30			1.2	1.0	25	10u							Si	S25a	
15	1N1443	1.0k	1.6	140C	20			175J	1.5	2.5	25	500u						Si	DO1	
16	1N1443B	1.0k	1.6	140C	25			150J										Si	A34a	
17	1N1444	1.0k	1.6	140C	20			175J	1.5	2.5	25	500u						Si	S25	
18	PR295-RT	1.0k	1.9	200				1.0										Si	DO1	
19#	SSiC1180	1.0k	1.9	45A	100	10m	180J	1.0	3.0	20J	1.0u							Si	A230	
20	SK3081-RT	1.0k	2.0	55				1.2										Si	DO15	
21	SK3107-RT	1.0k	2.0	75														Si	*	
22	1N3942	1.0k	2.0	25	30			165	1.5	2.0	25	200u						Si	DO13	
23	25BF100	1.0k	2.0	25	50	8.3m		150	1.2	2.0	25	10						Si	M532a	
24	200R10B	1.0k	2.0	25	60			175	2.0	2.0	25	5.0u						Si		
25	AB1000	1.0k	2.0	25	15			100	1.25	1.0	25	5.0u						Si	A3q	
26#	BY56Δ	1.0k	2.0	25C	50	10m		165J	1.0	1.0	25J	500n						Si	A249c	
27#	BYW56	1.0k	2.0	25	50	10m		175J	1.0	1.0	25A	1.0u						Si	A368	
28#	F102	1.0k	2.0	25A	70	10m		175J	1.2 Δ	2.0	25C	1.0m						Si	DO13	
29#	F102Z	1.0k	2.0	25A	70	10m		175J	1.2	2.0	25A	1.0m						Si	DO13	
30	M2M1	1.0k	2.0	25	250			175A	50		150	2.0u						Si	A1ep	
31	M2M5	1.0k	2.0	25	250			175A	50		150	10u						Si	A1ep	
32#	M2M9	1.0k	2.0	25	250			175A	50		150	10u						Si	A1ep	
33	1N5178	1.0k	2.0	50A	200			175A	1.2 †	2.0	50A	25u						Si	DO27	
34	25B1000	1.0k	2.0	50	50	8.3m		150	1.0	1.0	25	10u						Si	M532a	
35	B8M5	1.0k	2.0	50	90	8.3m		175A	1.0	2.0	25A	5.0u						Si	A1rx	
36	B172-100	1.0k	2.0	50	60			150C	2.0	2.0	25	5.0u						Si		
37	K8M5	1.0k	2.0	50	60			150C	2.0	2.0	25	5.0u						Si		
38	PD100	1.0k	2.0	50A	50			125A	.90	1.0	25A	5.0u						Si	M40a*	
39	SI10A	1.0k	2.0	50A	80	10m		150C	1.0	3.0	25A	1.0u						Si	A1bc	
40	HB1000	1.0k	2.0	75A	200			175C	1.0	2.0	25A	5.0u						Si	A179b	
41	SRS2100	1.0k	2.0	75	65	8.3m		175A	1.2	2.0	25	5.0u						Si	A340	
42	20D10	1.0k	2.0	100L	50	8.3m		170J	1.3	2.0	25C	10u						Si	DO39	
43	250R10B	1.0k	2.5	25	250			175	2.0	2.5	25	5.0u						Si		
44#	GM3C	1.0k	2.5	25A	80	10m		175J	1.2	3.0	25A	5.0u						Si	A249c	
45	M2.5A	1.0k	2.5	25A	80	10m		175A	1.0	2.5	25	250u						Si	A1bc	
46	M3M1	1.0k	2.5	25	250			175A	50		150	2.0u						Si	A1ep	
47	M3M5	1.0k	2.5	25	250			175A	50		150	10u						Si	A1ep	
48#	M3M9	1.0k	2.5	25	250			175A	50		150	10u						Si	A1ep	
49	PTC205-RT	1.0k	2.5	25	80			150J	1.0	2.5	25	1.0u						Si	A1bc	
50#	SLZ1003G	1.0k	2.5	25A	100	5		150C	1.05	7.5	25C	5.0u						Si	DO1	
51#	SL1003F	1.0k	2.5	30A	100	5		150C	1.05	7.5	25A	5.0u						Si	DO41	
52	HEPRO170-RT	1.0k	2.5	75A	30			175J										Si	DO1	
53	1N2534	1.0k	2.5	150C	50			150C	1.2	4.0	25C	4.0u						Si	DO10	
54	1N2545	1.0k	2.5	150C	50			150C	1.0	4.0	25C	1.0u						Si	DO10	
55	1N2556	1.0k	2.5	150C	50			150C	1.5	4.0	25C	10u						Si	DO10	
56	MA100	1.0k	2.5	150B	30			190B	1.0 Δ	2.5	150B	15uΔ						Si	DO4	
57	SK3051-RT	1.0k	3.0															Si		
58	1N2242	1.0k	3.0	25	20			150	.60	1.5	25							Si	DO4	
59	1N2242A	1.0k	3.0	25	100			150	.60	5.0	25							Si	DO4	
60	1N2243	1.0k	3.0	25	20			150	.60	1.5	25							Si	S35	
61	1N2243A	1.0k	3.0	25	100			150	.60	5.0	25							Si	S35	
62	300R10B	1.0k	3.0	25	250			175	2.0	3.0	25	5.0u						Si		
63	AC1000	1.0k	3.0	25A	50			150C	1.0	3.0	25A	5.0u						Si	A1ey	
64#	BYW86	1.0k	3.0	25	80	10m		175J	1.0	3.0	25A	1.0u						Si	A389	
65	HEPRO098-RT	1.0k	3.0	25	300			175I										Si	A179	
66	M4M1	1.0k	3.0	25	250			175A	50		150	2.0u						Si	A1ep	
67	M4M5	1.0k	3.0	25	250			175A	50		150	10u						Si	A1ep	
68#	M4M9	1.0k	3.0	25	250			175A	50		150	10u						Si	A1ep	
69	PTC204-RT	1.0k	3.0	25	80			175A	1.0	3.0	25	1.0u						Si	A1bc	
70	SRS3100	1.0k	3.0	25	125	8.3m		175A	1.3 †	9.0	25	5.0u						Si	A340a	
71	1N5003	1.0k	3.0	40A	300	5		175A	1.0 †	3.0	75A	1.0m						Si	M176a	
72#	SI0M3	1.0k	3.0	40A	185			150A	1.0	3.0	25J	15u						Si	A52d	
73#	SI2H3	1.0k	3.0	40A	162	10m		150A	1.0	3.0	25J	18u						Si	A52q	
74	V3310	1.0k	3.0	40A	100	8.3m		150J	1.2	3.0	25A	100u						Si	A1zz	
75	V3510	1.0k	3.0	40A	200	8.3m		150J	1.1	3.0	25A	100u						Si	A1zz	
76#	SSiC1280	1.0k	3.0	45A	100	10m		180J	1.0	3.0	20J	1.0u						Si	A231	
77	1N4145	1.0k	3.0	50A	300	8.3m		175A	1.0	3.0	50A	200u						Si	A1vm	
78#	3NC12	1.0k	3.0	50A	90			150J	1.2	3.0	25A	1.0						Si	S19s	
79	HAB100	1.0k	3.0	50	300	8.3m		150A	1.1	3.0	25	5.0u						Si	A1ez	
80#	PF10HZ	1.0k	3.0	50A	100	10m		150J	1.1	3.0	25C	20u						Si	DO27	
81	S3A10	1.0k	3.0	50A	300	8.3m		175C	1.0	3.0	25A	1.0u						Si	A1ey	
82	SI1000	1.0k	3.0	50	25			175	1.0	1.0	25	5.0u						Si	DO4	
83#	1N3369	1.0k	3.0	55C	30	8.3m		200C	2.0 Δ	500m	55C							Si	S505	
84	SPD5628	1.0k	3.0	70A	125	8.3m		175J	1.0	3.0	25A	5.0u						Si	A315a	
85	1N4725	1.0k	3.0	75A	300			175A	1.0	3.0	75	1.0m						Si	A179a	
86	3E10	1.0k	3.0	75A	300	4.0m		175A	1.0	3.0	25	5.0u						Si	A1vk	