

# 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			AVALANCHE RATINGS		DESCRIPTION	DWG. No.			
			2 <sub>lo</sub>	3 <sub>at</sub>	PEAK 1 Cy	PULSE WIDTH	DISS.	MAX. TEMP	Vf	at If	at Temp	Ir @ 25°C & Vr	Ir at T & Vr	TEMP T	TEST VOLT Vr			MAX V BKDN. (V)	MIN SLOPE (A/V)	MAT.
			(A)	TEMP (°C)	(A)	(s)	(W)	(°C)	(V)	(A)	(°C)	(A)	(A)	(°C)	(V)			(V)	(A/V)	
1	TJ132-3D	300	25	100C	300	8.3m	175A	1.2	15	25A	25u	250u	100A	300			Si	C199b		
2#	SR20N6S	300	25	120C	400	8.3m	150J	1.2	80	25C		1.5m	150J	300			Si	C112Z		
3#	SR25B6S	300	25	120C	600	8.3m	150J	1.2	80	25C		3.0m	150J	300			Si	S249bZ		
4#	SSIE1320	300	25	135C	350	10m	150J	1.1	45	25J	20u			300			Si	S290aZ		
5	1N1195	300	25	145C	125		190J	1.4	30	25J	10u			300			Si	S29		
6	1N2157	300	25	145B	400		200J	1.6	25	145B		3.5m	145B	300			Si*	D05Z		
7	S25A3	300	25	145C	400	8.3m	175A	1.1	25	25C		2.0m	100	300			Si	D05		
8#	DD6220	300	25	150C	400	10m	25J	1.3	25	25J	50u	5.0m	175J	300			Si	DO21Z		
9#	SSIE1120	300	25	150C	350	10m	150J	1.0	40	25J	20u			300			Si	M324aZ		
10#	TIR106C	300	30	70C	150	8.3m	150J	1.8	47	25C	10u	2.0m	100C	300			Si	M958*		
11#	TIR206C	300	30	70C	150	8.3m	150J	1.8	47	25C	10u	2.0m	100C	300			Si	M958a*		
12	1N3662	300	30	100C	400	8.3m	175C	1.2	25	100C		25m	100C	300			Si	DO21		
13#	3DN30	300	30	122C	500	10m	150J	1.4	125	80C	3.0m	12m	122C	300			Si	S96c		
14	F3E3	300	30	124C	300		190C	1.3	90	25C		1.0m	150C	300			Si	D05		
15	S3130	300	30	124C	300	8.3m	190J	1.3	90	25C		1.0m	150C	300			Si	S488aZ		
16	G3E3	300	30	150C	1.5k		175J	1.3	200	25C		5.0m	150C	300	360	∅	Si	D08		
17	1N1460	300	35				190J	1.5	35	25J	25m			300			Si	M56d		
18	HEPRO254-RT	300	35	25	400		190J							300			Si	D05		
19	ST4-30	300	35	135C	500		175J	1.20	35	25				330			Si	S187dZ		
20	1N1187	300	35	140C	500	8.3m	190C	1.7	35	140C		10m	140C	300			Si	D05		
21	1N1306	300	37	120C	600		175C	1.5	50	25		2.0m	150C	300			Si	D05		
22	F4E3	300	37	123C	600		190C	1.2	90	25C		2.0m	150C	300			Si	D05		
23	S3230	300	37	123C	600	8.3m	190J	1.2	90	25C		2.0m	150C	300			Si	S488bZ		
24	1N5409	300	40	100C	1.0k		175C	1.2	40	100C		5.0m	100C	300			Si	D05		
25#	10M30	300	40	104B	800	10m	130A	1.2	120	130J		10m		300			Si	S45		
26#	4DN30	300	40	115C	700	10m	150J	1.25	125	80C	3.0m	12m	115C	300			Si	S96c		
27	1N1480	300	40	120C	8.0k		190J	1.1	520	25C		75m	25C	300			Si	M56b		
28#	BYX62-300	300	40	125B	800	10m	175J	1.8	150			1.6m	125J	200			Si	D05Z		
29#	BYX97-300	300	40	125A	650	10m	150J	1.4	150	25J		4.0m	125J	200			Si	S29bZ		
30	S40A3	300	40	125C	500	8.3m	175A	1.1	40	25C		2.0m	100	300			Si	D05		
31#	1N1187T	300	40	140C	700	10m	175J	1.5	110	25C		5.0m	150C	300			Si	D05		
32	40HF30	300	40	140C	500		180J	1.4	40	25J		7.0m	140C	300			Si	S21hZ		
33	1N1187A	300	40	150C	800		200C	1.5	40	150C	15u	2.5m	150	300			Si	D05		
34	G4E3	300	40	150C	1.5k		175J	1.3	200	25C		5.0m	150C	300			Si	D08		
35	R4 100340	300	40	150	800	8.3m	200	1.2	40	25		25		300			Si	D05		
36	S30430	300	40	154C	800		190J	1.2	100	25C		10m	190C	300			Si	S488bZ		
37#	S3GN41	300	40	200B	490	10m	175J	1.4	125	250J		20m	250J	300			Si	S322aZ		
38	1N2451	300	45	60C	300		25B	1.1	20	25		5.0m	150B	300			Si	D05		
39	F5E3	300	45	122C	700		190C	1.15	90	25C		2.0m	150C	300			Si	D05		
40	S3430	300	45	122C	700	8.3m	190J	1.15	90	25C		2.0m	150C	300			Si	S488bZ		
41	1N1464	300	50				190J	1.5	50	25J	50m			300			Si	M56c		
42	ST5A30	300	50	55A	1.0k		190J	1.2	50	25A		5.0m	25A	300			Si	D05Z		
43#	SSIF2020	300	50	85C	500	10m	160J							300			Si	S72mZ		
44#	SSIF2320	300	50	85C	500	10m	160J	1.15	50	25		5.0m	160	300			Si	S63		
45	1N1682	300	50	150C	700	8.3m	185C	1.2	1.1	150C		25m	150C	300			Si	S8q		
46	MR1205FL	300	50	150C	800	8.3m	190J	400m	50	150C		10m	150C	300			Si	M226Z		
47	MR5030	300	50	150C	600		195J	1.18	157	25J		2.0m	150C	300			Si	M80b		
48	1N2463	300	60	80C	450		175B	1.1	30	25		5.0m	150B	300			Si	D05		
49	1N2133	300	60	115C	700		175C	1.4	60	115C		10m	115C	300			Si	D05		
50	R4040360	300	60	125C	1.0k	10m	200C	1.7	60	25J	100u			300			Si	D05Z		
51#	20M30	300	60	126B	1.0k		175A	1.5	180	175J		10m		300			Si	S4t		
52	1N2133A	300	60	140C	900		200C	1.3	60	140C		10m	140C	300			Si	D05		
53	ST11-30	300	70	90C	800		190J							300			Si	S187dZ		
54#	BYX34/300	300	70	100B	1.0k	10m	150J	1.7	250	150J		17m	125J	300			Si	S12cZ		
55	R4040370	300	70	125C	1.2k		200C	1.7	70	25J	100u			300			Si	D05Z		
56	F6E3	300	70	138C	1.2k		190C	1.25	200	25C		2.0m	150C	300			Si	D05		
57	S3630	300	70	138C	1.2k	8.3m	190J	1.25	200	25C		2.0m	150C	300			Si	S488bZ		
58	1N1400	300	70	150C	1.2k		190J	1.25	70	150C		30m	150C	300			Si	S14b		
59	J4E3	300	70	150C	4.0k		175J	1.2	300	25C		10m	150C	300			Si	D09		
60#	S3GN72	300	70	200B	700	10m	250J	1.2	220			6.0m		300			Si	S322Z		
61	30JH3	300	72		150	4.0m	100A	1.2						300			Si	S11fZ		
62	1N1468	300	75				190J	1.5	75	25J	50m			300			Si	M56c		
63#	8DN30	300	80	95C	1.2k	10m	150J	1.5	314	80C	5.0m	25m	95C	300			Si	S96d		
64#	FD80A6	300	80	124C	1.6k	8.3m	150J	1.15	250	25C		6.0m	150J	300			Si	M849		
65	70H30	300	85	115C	1.5k	8.3m	200J	1.45	267	115C		10m	115C	300			Si*	D05Z		
66	70H30A	300	85	115C	1.5k	8.3m	200J	1.45	267	115C		10m	115C	300			Si*	D05Z		
67	F7E3	300	85	132C	1.5k		190C	1.15	200	25C		2.0m	150C	300			Si	D05		
68	S3730	300	85	132C	1.5k	8.3m	190J	1.15	200	25C		2.0m	150C	300			Si	S488bZ		
69#	SSIG0220	300	98	106	1.3k	10m	160	1.55	220	25		8.0m	160	300			Si	S52c		
70#	SSIG2320	300	98	106	1.3k	10m	160	1.55	220	25		8.0m	160	300			Si	S52c		
71	1N1472	300	100				190J	1.5	100	25J	60m			100			Si	M56f		
72	ST6-30	300	100	25A	1.6k		190J	1.2	100	25A		5.0m	25	300			Si	Z29		
73	1N2431	300	100	75C	950	10m	175B	1.1	50	25		10m	150B	300			Si	D08		
74#	10DN30	300	100	80C	1.5k	10m	150J	1.4	314	80C	5.0m	25m	80C	300			Si	S96d		
75#	101F3FM	300	100	95	1.6k		150J	1.1	300	25A		15m	150J	300			Si	M228bZ		
76	A177C	300	100	100C	2.5k	8.3m	175J	1.3	100	25C		20m	125J	300			Si	S120j		
77#	SR100K6S	300	100	117C	2.0k	8.3m	150J	1.15	340	25C		7.5m	150J	300			Si	M228e		
78	1N3290	300	100	130C	1.6k	8.3m	200C	1.5	100	130C		24m	130B	300			Si	D08		
79	1N3290A	300	100	130C	2.3k		200C	1.25	100	130C		24m	130C	300			Si	D08		
80	1N3290R	300	100	130B	1.6k		200A	900m	100	200J		23	200J	300			Si	D08		
81	A70C	300	100	130B	1.6k	8.3m	200J	600m	100	130B		9.5m	130B	300			Si	D08		
82	A71C	300	100	130B	1.6k	8.3m	200J	600m	100	130B		9.5m	130B	300						