

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			TEST		AVALANCHE RATINGS		DESCRIPTION	DWG. No.	
			2 I _o (A)	3 I _t (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 V _r (A)	TEMP (°C)	V _o (V)	V _o (V)	MAX V BKN (V)			MIN SLOPE (A/V)
1	F5G3	400	45	122C	700	8.3m	190C	1.15	90	25C	2.0m	150C	400	480	∅	Si	D05	D05		
2	S3440	400	45	122C	700	8.3m	190J	1.15	90	25C	2.0m	150C	400	480	∅	Si	S488b	S488b		
3	1N1465	400	50				190J	1.5	50	25J	50m					Si	M56c			
4	1N2789	400	50	40A	600		175C	1.5	100	25C	2.0m	150C	400			Si	D05	D05		
5	ST5A40	400	50	55A	1.0k		190J	1.2	50	25A	5.0m	25A	400			Si	D05	D05		
6#	SKN4F40/04	400	50	77C	800	10m	130J	1.85	150	25J	200u	130J	400			Si	D05	D05		
7#	1S932	400	50	79	1.1k	20m	150J	1.05	50	25	200u		400			Si	S50b			
8#	SKN45/04	400	50	100C	700	10m	180J	1.6	150	25J	300u		280			Si	S171y	S171y		
9	1N3969	400	50	120C	600		150A	.60	∅	60	25A		400			Si	D05A#			
10	1N1684	400	50	150C	700	8.3m	165C	1.2	1.1	150C			400			Si	S8a			
11	MR5040	400	50	150C	600		195J	1.18	157	25J	2.0m	150C	400			Si	M80b			
12#	D34/400B	400	54	88C	550	10m	150J	1.5	100	25J	15m	150J	400			Si	S493a			
13#	D34/400C	400	54	88C	550	10m	150J	1.5	100	25J	15m	150J	400			Si	S493			
14#	S4BN55	400	55	120B	935	10m	150J	1.25	170		8.0m		400			Si	S323	S323		
15#	S4GN55	400	55	120B	935	10m	150J	1.25	170		8.0m		400			Si	S322	S322		
16#	DS42-04A	400	60	45A	800	10m	150J	1.7	200		4.0	150J	400			Si	S408d			
17	1N2465	400	60	60C	450		175B	1.1	30	25	5.0m	150B	400			Si	D05	D05		
18#	SB401K	400	60	85C	600		150S	1.7	∅	210	200u	3.0m	150J	400			Si	S439	S439	
19#	SBT401K	400	60	85C	600		150S	1.7	∅	210	200u	3.0m	150J	400			Si	S437	S437	
20#	RG604	400	60	100C	1.0k	10m	70	150J	1.6	∅	150	25C	400			Si	D05	D05		
21#	RG604T	400	60	100C	1.0k	10m	70	150J	1.6	∅	150	25C	400			Si	D05	D05		
22#	25G40	400	60	112B	850	10m	190B	.55	∅	25	25A		400			Si*	D05	D05		
23	1N2135	400	60	115C	700		175C	1.4	80	∅	15C		400			Si	D05	D05		
24	R4040460	400	60	125C	1.0k		200C	1.7	80	∅	25J	100u	10m	115C		Si	D05	D05		
25#	20M40	400	60	126B	1.0k	10m	175A	1.5	180	175J	10m		400			Si	S4t			
26	1N2135A	400	60	140C	900		200C	1.3	60	140C	10m	140C	400			Si	D05	D05		
27	ST11-40	400	70	90C	800		190J	1.5					400			Si	S187d	S187d		
28	1N4137	400	70	100C	750		175C	1.6	70	100C			400			Si	D05	D05		
29#	BYX34/400	400	70	100B	1.0k	10m	30	150J	1.7	250	150J		400			Si	S12c	S12c		
30#	70HG40	400	70	120B	1.1k	10m	200J	3.0	1.0k	25	25m		400			Si	D05	D05		
31#	72HG40	400	70	120B	1.1k	10m	200J	3.0	1.0k	25	25m		400			Si	S423	S423		
32#	M71-400	400	70	120C	1.0k	10m	150S	1.2	210	25C	200u	5.0m	150C	400			Si	S438	S438	
33#	S4GN71	400	70	120B	1.2k	10m	150J	1.25	220			8.0m	400			Si	S322	S322		
34	R4040470	400	70	125C	1.2k		200C	1.7	70	∅	25J	100u	10m			Si	D05	D05		
35	F8G3	400	70	138C	1.2k		190C	1.25	200	25C		2.0m	150C	400			Si	D05	D05	
36	S3640	400	70	138C	1.2k		190J	1.25	200	25C		2.0m	150C	400			Si	S488b	S488b	
37#	70HA40	400	70	140B	1.0k		200A	3.0	900	25J	10u	140J	400			Si	D05	D05		
38#	70HF40	400	70	140B	1.0k		200A	3.0	900	25J	10u	140J	400			Si	D05	D05		
39#	71HA40	400	70	140B	1.0k		200A	3.0	900	25J	10u	140J	400			Si	S466	S466		
40#	71HF40	400	70	140B	1.0k		200A	3.0	900	25J	10u	140J	400			Si	S466	S466		
41	1N1401	400	70	150C	1.2k		190J	1.25	70	150C	30m	150C	400			Si	S14b			
42	1AG3	400	70	150C	4.0k		175J	1.2	300	25C	10m	150C	400			Si	D09			
43#	S4GN72	400	70	200B	700	10m	250J	1.2	220		6.0m		400			Si	S322	S322		
44	40JH3	400	72		150	4.0m	100A	1.2								Si	S11f			
45	1N1469	400	75				190J	1.5	75	25J	50m					Si	M56c			
46#	DS80-04A	400	80	45A	1.8k	10m	150J	1.4	350	150J	40u	6.0m	150J	400			Si	S408e	S408e	
47#	DS180-04A	400	80	45A	1.8k	10m	150J	1.4	350	150J	40u	6.0m	150J	400			Si	S408e	S408e	
48#	8DN40	400	80	95C	1.2k		150J	1.5	314	80C	5.0m	25m	95C	400			Si	S96d	S96d	
49#	FD80A8	400	80	124C	1.6k	8.3m	150J	1.15	250	25C		6.0m	150J	400			Si	M849	M849	
50#	D80-400	400	85	96C	1.1k		150J	1.7	200	25J	20u	6.0m	150J	400			Si	S171g	S171g	
51	70H40	400	85	115C	1.5k	8.3m	200J	1.45	267	115C		10m	115C	400			Si*	D05	D05	
52	70H40A	400	85	115C	1.5k	8.3m	200J	1.45	267	115C		10m	115C	400			Si*	D05	D05	
53#	DS75-04B	400	85	115C	1.2k	10m	180J	1.15	200	25J	2.0m	150C	400			Si	S465e	S465e		
54#	DS75-04B	400	85	115C	1.2k	10m	180J	1.15	200	25J	2.0m	150C	400			Si	S465d	S465d		
55	F7G3	400	85	132C	1.5k		190C	1.15	200	25C		2.0m	150C	400			Si	D05	D05	
56	S3740	400	85	132C	1.5k	8.3m	190J	1.15	200	25C		2.0m	150C	400			Si	S488b	S488b	
57#	S4BN71	400	90	100B	1.2k	10m	150J	1.3	250	155		7.0	155	400			Si	S322c	S322c	
58#	SKN70/04	400	95	100C	1.1k	10m	180J	1.5	200	25J	300u		100			Si	S481	S481		
59	1N1473	400	100				190J	1.5	100	25J	60m					Si	M56f			
60	ST6-40	400	100	25A	1.6k		190J	1.2	100	25A		5.0m	25	400			Si	Z29		
61#	S100-04	400	100	50A	2.6k	10m	150J	1.1	100	25A	2.0m		400			Si	S491	S491		
62	1N2433	400	100	75C	950		175B	1.1	50	25		10m	150B	400			Si	D08	D08	
63#	10DN40	400	100	80C	1.5k	10m	150J	1.4	314	80C	5.0m	25m	80C	400			Si	S96d	S96d	
64	A177D	400	100	100C	2.5k	8.3m	175J	1.3	100	25C		20m	125J	400			Si	S120j	S120j	
65#	KU1004	400	100	100C	1.8k	10m	150J	1.4	300	25C		20m	150J	400			Si	S421	S421	
66#	KU1504	400	100	100C	2.5k	10m	150J	1.4	400	25J		20m	150C	400			Si	S421	S421	
67#	101F4S	400	100	105C	1.6k	10m	175J	1.6	500	25J		20m	175J	400			Si	S503	S503	
68#	SR100K8S	400	100	117C	2.0k	8.3m	150J	1.15	340	25C		7.5m	150J	400			Si	M228e	M228e	
69	1N3291	400	100	130C	1.6k	8.3m	200C	1.5	100	130C		24m	130B	400			Si	D08	D08	
70	1N3291A	400	100	130C	2.3k		200C	1.25	100	130C		24m	130C	400			Si	D08	D08	
71	1N3291R	400	100	130B	1.6k		200A	900m	100	200J		23	200J	400			Si	D08	D08	
72	A70D	400	100	130B	1.6k	8.3m	200J	600m	100	130B		9.0m	130B	400			Si	D08	D08	
73	A71D	400	100	130B	1.6k	8.3m	200J	600m	100	130B		9.0m	130B	400			Si	D08	D08	
74	A170D	400	100	130C	2.5k	8.3m	200J	1.3	314	130C		7.0m	130C	400			Si	S120j	S120j	
75	R5D00410WC	400	100	130C	2.3k	8.3m	200J	1.55	470	25J		30m		400			Si	D030	D030	
76	R5100410WC	400	100	130C	2.3k	8.3m	200J	1.55	470	25J		30m		400			Si	D08	D08	
77#	AS4	400	100	150	4.0k	20m	150											Si	D08	D08
78	R5000410WC	400	100	160C	2.3k	8.3m	200J	1.55	470	25J		30m	200J	400			Si	D08	D08	
79	1N3973	400	104	120C	1.5k		150A	.60	∅											