

# 4. SWITCHING DIODES/RECTIFIERS

IN ORDER OF: (1) RECOVERY TIME (2) PIV & (3) TYPE No.

LINE No.	TYPE No.	PIV (V)	RECOVERY TIME TEST CONDITIONS								MIN. FORWARD CURRENT at 25°C			MAX. REVERSE CURRENT			CAP. at ZERO VOLTS (F)	ABSOLUTE MAX. RATING		DESCRIPTION	
			trr (s)	If (A)	Vr (V)	Zr (Ω)	Ir (A)	RL (Ω)	K T	di/dt (A/us)	IF (A)	at Vf (V)	Ir @25°C (A)	Ir at T (A)	TEMP T (°C)	TEST VOLT (V)		AVG. FWD I (A)	MAX. TEMP (°C)	MAT.	DWG. No.
1	10S3F	3.0k	200n	5.0m				10m			10m	15	0.1u	2.0u	100	3.0k	10m	150S	Si	A1yd	
2	10CS3F	3.0k	200n	5.0m				10m			100m	18	1.0u	2.0u	100	3.0k	100m	150S	Si	A1xe	
3	BAR223-30	3.0k	200n	20m				40m			250m	7.0 Δ	1.0u	500u	100	3.0k	250m		SiΔ	A1rx	
4	BR588-30	3.0k	200n	20m				40m			250m	7.0 Δ	1.0u	500u	100	3.0k	250m		SiΔ	A69s	
5	HV30F	3.0k	200n	250m				500m			250m	7.0 Δ	1.0u			3.0k	250m	100A	Si*Δ	A1ty	
6	HVC30F	3.0k	200n	500m				1.0 §			500m	7.0 Δ	1.0u			3.0k	500m	100A	Si*Δ	A1ey	
7#	MU3	3.0k	200n	100m				100m			200m	6.0 Δ	2.0u	100u	100A	3.0k	200m	125A	SiΔ	A83v	
8	RK300A	3.0k	200n	150m							150m	7.8 Δ	2.0u	100u	100	3.0k	150m	150A	Si	A3c	
9	SO30GF	3.0k	200n	20m				40m					50n			3.0k	45m		Si	A1fd	
10	BAR223-35	3.5k	200n	20m				40m			250m	10 Δ	1.0u	500u	100	3.5k	250m		SiΔ	A1rx	
11	BR588-35	3.5k	200n	20m				40m			250m	10 Δ	1.0u	500u	100	3.5k	250m		SiΔ	A69s	
12	10S4F	4.0k	200n	5.0m				10m			10m	15	0.1u	2.0u	100	4.0k	10m	150S	Si	A1yd	
13	10CS4F	4.0k	200n	5.0m				10m			100m	18	1.0u	2.0u	100	4.0k	100m	150S	Si	A1ye	
14	BAR223-40	4.0k	200n	20m				40m			200m	10 Δ	1.0u	500u	100	4.0k	200m		SiΔ	A1rx	
15	BR588-40	4.0k	200n	20m				40m			200m	10 Δ	1.0u	500u	100	4.0k	200m		SiΔ	A69s	
16	HV40F	4.0k	200n	250m				500m			250m	7.0 Δ	1.0u			4.0k	250m	100A	Si*Δ	A1ty	
17	HVC40F	4.0k	200n	500m				1.0 §			500m	7.0 Δ	1.0u			4.0k	500m	100A	Si*Δ	A1ey	
18#	MU4	4.0k	200n	100m				100m			200m	8.0 Δ	2.0u	100u	100A	4.0k	200m	125A	SiΔ	A83v	
19	RK400A	4.0k	200n	15				30				15	7.8 Δ	2.0u	100A	4.0k	15	150J	Si	A3c	
20	SO40GF	4.0k	200n	20m				40m					50n			4.0k	40m		Si	A1fd	
21	BAF223-45	4.5k	200n	20m				40m			200m	10 Δ	1.0u	500u	100	4.5k	200m		SiΔ	A1rx	
22	BR588-45	4.5k	200n	20m				40m			200m	10 Δ	1.0u	500u	100	4.5k	200m		SiΔ	A69s	
23	10S5F	5.0k	200n	5.0m				10m			10m	15	0.1u	2.0u	100	5.0k	10m	150S	Si	A1yd	
24	10CS5F	5.0k	200n	5.0m				10m			100m	18	1.0u	2.0u	100	5.0k	100m	150S	Si	A1ye	
25	BAR223-50	5.0k	200n	20m				40m			150m	10 Δ	1.0u	500u	100	5.0k	150m		SiΔ	A1rx	
26	BR588-50	5.0k	200n	20m				40m			150m	10 Δ	1.0u	500u	100	5.0k	150m		SiΔ	A69s	
27	HV50F	5.0k	200n	100m				200m			250m	9.5 Δ	1.0u			5.0k	100m	100A	Si*Δ	A1ty	
28	HVC50F	5.0k	200n	500m				1.0 §			500m	9.5 Δ	1.0u			5.0k	500m	100A	Si*Δ	A1ey	
29#	MU5	5.0k	200n	100m				100m			200m	10 Δ	2.0u	100u	100A	5.0k	200m	125A	SiΔ	A83v	
30	RK500A	5.0k	200n	150m							150m	7.8	2.0u	100u	100	5.0k	150m	150A	Si	A3c	
31	SO50GF	5.0k	200n	20m				40m					50n			5.0k	35m		Si	A1fd	
32	BAR223-55	5.5k	200n	20m				40m			150m	15 Δ	1.0u	500u	100	5.5k	150m		SiΔ	A1rx	
33	BR588-55	5.5k	200n	20m				40m			150m	15 Δ	1.0u	500u	100	5.5k	150m		SiΔ	A69s	
34	10S6F	6.0k	200n	5.0m				10m			10m	15	0.1u	2.0u	100	6.0k	10m	150S	Si	A1yd	
35	BAR223-60	6.0k	200n	20m				40m			100m	15 Δ	1.0u	500u	100	6.0k	100m		SiΔ	A1rx	
36	BR588-60	6.0k	200n	20m				40m			100m	15 Δ	1.0u	500u	100	6.0k	100m		SiΔ	A69s	
37	HV60F	6.0k	200n	100m				200m			250m	9.5 Δ	1.0u			6.0k	100m	100A	Si*Δ	A1ty	
38	HVC60F	6.0k	200n	500m				1.0 §			500m	9.5 Δ	1.0u			6.0k	500m	100A	Si*Δ	A1ey	
39#	MU6	6.0k	200n	100m				100m			200m	12 Δ	2.0u	100u	100A	6.0k	200m	125A	SiΔ	A83v	
40	RK600A	6.0k	200n	150m							150m	7.8	2.0u	100u	100	6.0k	150m	150A	Si	A3c	
41	SO60GF	6.0k	200n	20m				40m					50n			6.0k	30m		Si	A1fd	
42	BAR223-65	6.5k	200n	20m				40m			100m	15 Δ	1.0u	500u	100	6.5k	100m		SiΔ	A1rx	
43	BR588-65	6.5k	200n	20m				40m			100m	15 Δ	1.0u	500u	100	6.5k	100m		SiΔ	A69s	
44	10S7F	7.0k	200n	5.0m				10m			10m	15	0.1u	2.0u	100	7.0k	10m	150S	Si	A1yd	
45	BAR223-70	7.0k	200n	20m				40m			75m	15 Δ	1.0u	500u	100	7.0k	75m		SiΔ	A1rx	
46	BR588-70	7.0k	200n	20m				40m			75m	15 Δ	1.0u	500u	100	7.0k	75m		SiΔ	A69s	
47	SO70GF	7.0k	200n	20m				40m					50n			7.0k	25m		Si	A1fd	
48	10S8F	8.0k	200n	5.0m				10m			100m	18	1.0u	2.0u	100	8.0k	100m	150S	Si	A1ye	
49	BR588-80	8.0k	200n	20m				40m			65m	18 Δ	1.0u	500u	100	8.0k	65m		SiΔ	A69s	
50#	MU8	8.0k	200n	100m				100m			200m	21 Δ	2.0u	100u	100J	8.0k	200m	125J	Si	A83bn	
51	RTD08	8.0k	200n	100m				200m			100m	20 Δ	2.0u	100u	100A	8.0k	100m	125A	Si	A1v	
52	SO80GF	8.0k	200n	20m				40m					50n			8.0k	20m		Si	A1fd	
53	BR588-85	8.5k	200n	20m				40m			65m	18 Δ	1.0u	500u	100	8.5k	65m		SiΔ	A69s	
54	BR588-90	9.0k	200n	20m				40m			60m	18 Δ	1.0u	500u	100	9.0k	60m		SiΔ	A69s	
55	BR588-95	9.5k	200n	20m				40m			55m	18 Δ	1.0u	500u	100	9.5k	55m		SiΔ	A69s	
56	10S10F	10k	200n	5.0m				10m			100m	18	1.0u	2.0u	100	10k	100m	150S	Si	A1ye	
57	BR588-100	10k	200n	20m				40m			50m	23 Δ	1.0u	500u	100	10k	50m		SiΔ	A69s	
58#	MU10	10k	200n	100m				100m			200m	20 Δ	2.0u	100u	100A	10k	200m	125A	SiΔ	A83v	
59	RTD10	10k	200n	100m				200m			100m	20 Δ	2.0u	100u	100A	10k	100m	125A	Si	A1v	
60	BR588-110	11k	200n	20m				40m			50m	23 Δ	1.0u	500u	100	11k	50m		SiΔ	A69s	
61	BR588-120	12k	200n	20m				40m			50m	23 Δ	1.0u	500u	100	12k	50m		SiΔ	A69s	
62	RTD12	12k	200n	100m				200m			100m	24 Δ	2.0u	100u	100A	12k	100m	125A	Si	A1mc	
63	BR588-130	13k	200n	20m				40m			50m	23 Δ	1.0u	500u	100	13k	50m		SiΔ	A69s	
64	BR588-140	14k	200n	20m				40m			50m	23 Δ	1.0u	500u	100	14k	50m		SiΔ	A69s	
65	RTD14	14k	200n	100m				200m			100m	30 Δ	2.0u	100u	100A	14k	100m	125A	Si	A1mc	
66	BR588-150	15k	200n	20m				40m			50m	38 Δ	1.0u	500u	100	15k	50m		SiΔ	A69s	
67	HVJX15K	15k	200n	50m				100m			50m	24	100n	25u	100A	15k	50m	150A	Si	A298ae	
68	BR588-160	16k	200n	20m				40m			50m	38 Δ	1.0u	500u	100	16k	50m		SiΔ	A69s	
69	RTD16	16k	200n	100m				200m			100m	30 Δ	2.0u	100u	100A	16k	100m	125A	Si	A1mc	
70	BR588-170	17k	200n	20m				40m			50m	38 Δ	1.0u	500u	100	17k	50m		SiΔ	A69s	
71	BR588-180	18k	200n	20m				40m			50m	38 Δ	1.0u	500u	100	18k	50m		SiΔ	A69s	
72	RTD18	18k	200n	100m				200m			100m	36 Δ	2.0u	100u	100A	18k	100m	125A	Si	A1nc	
73	BR588-190	19k	200n	20m				40m			50m	38 Δ	1.0u	500u	100	19k	50m		SiΔ	A69s	
74	BR588-200	20k	200n	20m				40m			50m	45 Δ	1.0u	500u	100	20k	50m		SiΔ	A69s	
75	HVJX20K	20k	200n	50m				100m			50m	36	100n	25u	100A	20k	50m	150A	Si	A298af	
76#	MU20	20k	200n	100m				100m			200m	52 Δ	2.0u	100u	100C	20k	200m		Si	A83bu	
77	RTD20	20k	200n	100																	