

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 @ 25°C				CAP. at ZERO VOLTS (F)	ABSOLUTE MAX. RATING		DESCRIPTION	
			trr (s)	If (A)	Vr (V)	Zr (Ω)	Ir (A)	RL (Ω)	C K T (A/us)	di/dt (A/us)	CURRENT at 25°C		CURRENT @ 25°C		TEST VOLT Vr (V)	TEMP T (°C)	AVG. FWD I (A)	MAX. TEMP (°C)		MAT.	DWG. No.		
											IF (A)	at Vf (V)	Ir (A)	at Vr (V)									
1	SCSNL05W	50	85n	500m				1.0				50	1.0 Δ	13u	500u	100	50	50	150A	Si	M492		
2	SCSPLO5L	50	85n	500m				1.0				50	1.0 Δ	13u	500u	100	50	50	150A	Si	M493		
3	SCSPLO5W	50	85n	500m				1.0				50	1.0 Δ	13u	500u	100	50	50	150A	Si	M492		
4	STL05	50	85n	500m				1.0				50	1.0 Δ	13u	500u	100	50	50	150A	Si	S417		
5	CGD592	10 ↑	100n	1.4m	3.0	30K						1.4m	3.0	4.0u	500u	100	3.0	3.0pZ#	20m	100A	90A Ge	A1bz	
6#	KD520A	15	100n#	10m	10							20m	1.0 Δ	1.0u			15				Si#	A344m	
7#	OA92	15	100n	5.0m	5.0							3.0m	60	2.5u	.01m	60	15	.50p	10m	75A Ge	A3		
8#	1S307	20	100nZ	2.0m				200u				75m	.75	250u			15	100m	90A Ge	Ø	A1bw		
9	CGD309	20 ↑	100n	50m	1.5							300m	1.0		1.0m	25	25		90A Ge	Ø	A1		
10#	D18Z	20	100n	50m	10			1.0m				20m	1.0	50u			20	500fZΔ	16m	70 GeZ	F122		
11#	GD507A	20	100n	20m	10			1.0m				5.0m	500mΔ	50u			20	4.0pZ#	16m	60A GeØ	A352		
12	1N4381	25	100nZ	2.0m				200u				2.0m	350mΔ	100u			20	1.2pZ		100S Ge	Ø	DO7	
13	1N5835	30 ↑	100nZ	500m				1.0 §				3.0	900mΔØ	1.0u	500u	55A	30	1.5 Δ	3.0 §	200A Si	A294		
14#	1S1544	30	100nZ	10m	6.0				100	Ø		100m	1.0	1.0u			30	100m	175A Si§	Ø	A1bw		
15#	1S1545	30	100nZ	10m	6.0				100	Ø		100m	1.0	1.0u			30	1.1 Δ	100m	175A Si§	Ø	A1bw	
16	1N196	40	100n	30m	35							1.0m	2.0	10u	300u	150A	10	3.0m	150A SiZ	Ø	DO7		
17	1N5836	50 ↑	100nZ	500m				1.0 §				3.0	900mΔØ	1.0u	500u	55A	50	3.0 §	200A Si	Ø	A294		
18	A28F	50 ↑	100n	5.0m				4.0 #				12	700mΔØ		8.0m	135C	100	12	175J SiΔ	Ø	DO4Z		
19#	BYX61-50	50	100nZ	1.0	30			2.0				12	1.4 Δ	25u	300u	100C	50	12	150J Si	Ø	DO4		
20#	BYX65-50	50	100nZ	1.0	30			2.0				30	1.5 Δ	50u	6.0m	100C	50	30	150J Si	Ø	DO5		
21#	BYX92-50	50	100nZ	100m				100m				1.0	1.3 Δ	400u	400u	100C	50	1.0	150J Si	Ø	DO13		
22	D621EB	50	100nZ	1.0	30							90 ↑	1.1 Δ	80u	10m	150C	50	50 §	150J SiΔ	Ø	DO5Z		
23	D628EB	50	100nZ	1.0	30							30 ↑	1.1 Δ	50u	5.0m	150C	50	15 §	150J SiΔ	Ø	DO4Z		
24#	ESM243-50	50	100nZ	1.0	30							60	1.3	10m	100J	50	60	60	165J Si	Ø	DO5Z		
25	MR820	50 ↑	100n	1.0	30			2.0 #				5.0	1.0 Δ	25u	500u	100J	50	5.0 §	175J Si	Ø	A264		
26	MR830	50	100n	1.0	30							3.0	1.1 Δ	50u	1.5m	100A	50	3.0 §	150J Si	Ø	A179c		
27	MR850	50 ↑	100n	1.0	30							3.0	1.2 Δ	10u	150u	100J	50	3.0 §	175J Si	Ø	A282		
28	MR860	50 ↑	100n	1.0	30			3.0 #				40	1.4 Δ	50u	2.0m	100C	50	40 §	160J Si	Ø	DO5		
29	MX6105	50	100n	1.0				1.0				6.0	1.0	5.0u	75u	100	50	200pZ	6.0	175A Si	Ø	A248f	
30	MX8105	50	100n	1.0				1.0				8.0	1.0	5.0u	75u	100	50	200pZ	8.0	175A Si	Ø	A248f	
31	STA05F	50	100n	500m				250m				1.0	1.3 Δ	1.0u			50	75pT	1.0 §	175A Δ	Ø	A1ty	
32	S3A05F	50	100n	500m				250m				3.0	1.0 Δ	1.0u			50	90pT	3.0 §	175A Δ	Ø	A1ey	
33	S5A05F	50	100n	500m				250m				5.0	1.1 Δ	1.0u			50	90pT	3.0 §	175A Δ	Ø	A1ey	
34	UTX3105	50	100nZ	1.0				1.0				2.0	1.0	5.0u	75u	100	50	3.0m	175 Si	Ø	A146k		
35	UTX4105	50	100nZ	1.0				1.0				3.0	1.0	5.0u	75u	100	50	4.0m	175 Si	Ø	A146k		
36	V105X	50 ↑	100nZ	1.0	30			2.0 §				1.0 §	1.1 Δ		2.0m	125A	50	1.0 §	150J Si	Ø	A387		
37	1N760	60	100n	26m	26							40m	1.0		.20m	75	10	3.0pZ	200m	25A GeØ	Ø	DO7	
38	MSD6102	70	100nZ	10m	5.0			10m				10m	1.0 Δ		100n	25A	50	5.0p		Si§	Ø	TO92	
39	MSD6150	70	100nZ	10m	5.0			10m				10m	1.0 Δ		100n	25A	50	5.0p		Si§	Ø	L8g	
40#	ZC601	75	100n	500m								1.0m	1.2 Δ		50n		100	3.8pZ		#	Ø	DO7	
41	1N4823	100 ↑	100nZ	1								100m	1.0 Δ	250n	1.0m	150A	100	300fZ	1	170A Si	Ø	DO13	
42	JAN1N5719	100 §	100nZ	50m								100m	1.0 Δ	250n	1.0m	150A	100	300fZ		150A Si	Ø	A1uu	
43	3SF1	100	100n	500m				1.0				3.0	1.1 Δ	1.0u	20u	100	100	3.0 §	175A Si	Ø	A294h		
44	A28A	100 ↑	100n	5.0m				4.0 #				12	700mΔØ		8.0m	135C	100	12	175J SiΔ	Ø	DO4Z		
45#	AA28	100	100n	5.0m				50m				30m	1.9 Δ	250u	.43m	60	100	.20p*		90J Ge	Ø	DO7	
46#	BYX61-100	100	100nZ	1.0	30			2.0				12	1.4 Δ	25u	300u	100C	100	12	150J Si	Ø	DO4		
47#	BYX65-100	100	100nZ	1.0	30			2.0				30	1.5 Δ	50u	6.0m	100C	100	30	150J Si	Ø	DO5		
48#	BYX92-100	100	100nZ	100m				100m				1.0	1.3 Δ	400u	400u	100C	100	1.0	150J Si	Ø	DO13		
49	D621EC	100	100nZ	1.0	30							90 ↑	1.1 Δ	80u	10m	150C	100	50 §	150J SiΔ	Ø	DO5Z		
50	D628EC	100	100nZ	1.0	30							30 ↑	1.1 Δ	50u	5.0m	150C	100	15 §	150J SiΔ	Ø	DO4Z		
51#	ESM243-100	100	100nZ	1.0	30							60	1.3	10m	100J	50	60	60	165J Si	Ø	DO5Z		
52	F1	100	100n	500m				1.0				500m	1.1 Δ	250n	15u	100	100	500m§	200J Si	Ø	A294a		
53	MR821	100 ↑	100n	1.0	30			2.0 #				5.0	1.0 Δ	25u	500u	100J	100	5.0 §	175J Si	Ø	A264		
54	MR831	100	100n	1.0	30							3.0	1.1 Δ	50u	1.5m	100A	100	3.0 §	150J Si	Ø	A179c		
55	MR851	100 ↑	100n	1.0	30							3.0	1.2 Δ	10u	150u	100J	100	3.0 §	175J Si	Ø	A282		
56	MR861	100 ↑	100n	1.0	30			3.0 #				40	1.4 Δ	50u	2.0m	100C	100	40 §	160J Si	Ø	DO5		
57	MX6110	100	100n	1.0				1.0				6.0	1.0	5.0u	75u	100	100	200pZ	6.0	175A Si	Ø	A248f	
58	MX8110	100	100n	1.0				1.0				8.0	1.0	5.0u	75u	100	100	200pZ	8.0	175A Si	Ø	A248f	
59	S1A1F	100	100n	500m				250m				1.0	1.3 Δ	1.0u			100	70pT	1.0 §	175A Δ	Ø	A1ty	
60	S3A1F	100	100n	500m				250m				3.0	1.1 Δ	1.0u			100	90pT	3.0 §	175A Δ	Ø	A1ey	
61	S5A1F	100	100n	500m				1.0				5.0	1.1 Δ	1.0u			100	90pT	5.0 §	200J Δ	Ø	A1ey	
62	T1	100	100nZ	500m				1.0				500m	1.2 Δ	250nΔ	15uΔ	100J	100	500m§	200J Si	Ø	A294a		
63	UTX3110	100	100nZ	1.0				1.0				2.0	1.0	5.0u	75u	100	100	3.0m	175 Si	Ø	A146k		
64	UTX4110	100	100nZ	1.0				1.0				3.0	1.0	5.0u	75u	100	100	4.0m	175 Si	Ø	A146k		
65	V110X	100 ↑	100nZ	1.0	30			2.0 §				1.0 §	1.1 Δ		2.0m	125A	100	1.0 §	150J Si	Ø	A387		
66	1N697	120	100nZ	100m				100m				250m	1.0 Δ	750u			200	25pZ	250m	150A SiΔ	Ø	A87	
67	JAN1N697	120	100nZ	100m				100m				400m	1.1 Δ	2.0u	4.0m	150	100	25pZ	150A Si	Ø	A1da		
68	D621ED	150	100nZ	1.0	30							90 ↑	1.1 Δ	80u	10m	150C	150	50 §	150J SiΔ	Ø	DO5Z		
69	D628ED	150	100nZ	1.0	30							30 ↑	1.1 Δ	50u	5.0m	150C	150	15 §	150J SiΔ	Ø	DO4Z		
70	MX6115	150	100n	1.0				1.0				6.0	1.0	5.0u	75u	100	150	200pZ	6.0	175A Si	Ø	A248f	
71	MX8115	150	100n	1.0				1.0				8.0	1.0	5.0u	75u	100	150	200pZ	8.0	175A Si	Ø	A248f	
72	UTX3115	150	100nZ	1.0				1.0				2.0	1.0	5.0u	75u	100	150	3.0m	175 Si	Ø	A146k		
73	UTX4115	150	100nZ	1.0				1.0				3.0	1.0	5.0u	75u	100							