

# 4. TRIODES, POWER, BI-DIRECTIONAL, TRIACS

IN ORDER OF (1) MAX. REPEAT. OFF-STATE VOLTAGE  
(2) MAX. RMS CUR(3) TEMP(4) IGT(5) VVGT(6) IGT No

LINE No.	TYPE No.	MAX. REP OFF-STATE VOLTAGE (V)	MAXIMUM RMS CURRENT (A)	MAXIMUM GATE FIRING CHAR: 1ST QD			MAX HOLD CUR. (A)	MAX. OFF-ST. CURRENT (A)	MAX ON-STATE VOLTAGE		TYPICAL SWITCHING TIME		WORST-CASE dv/dt		SURGE CUR RENT ITSM (A)	OPER RANGE CODE	LEAD CODE	DRAWING No.		
				3 @ T (C)	4 IGT (A)	5 VVGT (V)			ID@VDRM@T (A)	VTM @IT (V)	tgt (s)	@IT (A)	COMM. V/us	STATIC V/us						
1	USC2120-8	800	15	80C	50m	2.5	50m	2.0m	110C	1.9	21			3.0	100	4B	CD	Y220b		
2	USC2250-8	800	15	80C	50m	2.5	50m	2.0m	110C	1.9	21			3.0	100	4B	CD	Y220b		
3	CT15-10	800	15	90C	50m	2.0	40m	2.0	125C	1.6	21	1.5u	120m			4C	CD	MU212		
4	CT15A10	800	15	90C	50m	2.0	40m	2.0	125C	1.6	21	1.5u	21	5.0	100	4C	CD	MU212		
5	MAC20-10	800	15	100C	50m	2.0	40m	2.0m	125C	1.6	21	1.5u	17	5.0	100	4C	CD	RD91a		
6	MAC20A-10	800	15	100C	75m	2.5	40m	2.0m	125C	1.6	21	1.5u	17	5.0	100	4C	CD	RD91a		
7#	TIC248N	800	16	70C	50m	2.5	50m	2.0m	110C	1.7	22					4B	CD	Y220b		
8#	TAG281-800	800	16	72C	50m	2.5	50m	1.5m	105J	1.6	22			5.0	500	4A	CF	Y220		
9#	BS16-08hu1	800	16	72C	75m	2.5	50m	1.5	105J	1.5	22			5.0	500	4A	CF	Y220		
10#	SSG16C80Y	800	16	82C	50m	3.0	30m	3.0m	125J	1.7	25			6.0	50	160	2C	CD	RD99	
11#	BT139-800E	800	16	93A	10m	1.5	30m	0.5m	120J	1.6	20			10	50	115	XC	CDD	Y220b	
12#	BT139-800F	800	16	93A	25m	1.5	30m	0.5m	120J	1.6	20			10	50	115	XC	CDD	Y220b	
13#	BT139-800	800	16	93A	35m	1.5	30m	0.5m	120J	1.6	20			10	50	115	XC	CDD	Y220b	
14#	BT139-800G	800	16	93A	50m	1.5	30m	0.5m	120J	1.6	20			10	100	115	XC	CDD	Y220b	
15#	SSG16C80	800	16	96C	50m	3.0	30m	3.0m	125J	1.7	25			6.0	50	160	3C	CD	RD97	
16#	SSG16C80D	800	16	96C	50m	3.0	30m	3.0m	125J	1.7	25			6.0	50	160	3C	CD	RD97	
17#	USC2140-8	800	20	80C	50m	2.5	50m	2.0m	100C	1.9	28			3.0	100	200	4B	CD	Y220b	
18#	USC2270-8	800	20	80C	50m	2.5	50m	2.0m	100C	1.9	28			3.0	100	200	4B	CD	Y220b	
19#	TBG820	800	20	80C	80m	2.5	50m	5.0m	110C	2.3	80	2.0u	20	10	5	200	5B	CA	TO48	
20#	TBG820A	800	20	80C	80m	2.5	50m	5.0m	110C	2.3	80	2.0u	20	10	5	200	5B	CA	TO48	
21#	TBG820	800	20	110J	80m	2.5	50m	5.0m	110C	2.3	80	2.0u	20	10	5	200	5B	CA	MU69	
22	MAC35-10	800	25	25C	10m	3.0	75m	4.0m	110J	1.5	35			100	10	225	4B	AD	SC145	
23	MAC36-10	800	25	25C	100m	3.0	75m	4.0m	110J	1.5	35			100	10	225	4B	AD	SC145	
24	MAC36-10#	800	25	25C	100m	3.0	75m	4.0m	110J	1.5	35			100	10	225	4B	AD	SC145	
25#	SSG25C80Y	800	25	74C	70m	3.0	30m	5.0m	125J	1.6	35			20	100	250	2C	CD	SC193	
26#	TBG825	800	25	75C	80m	2.5	50m	5.0m	110C	2.5	100	2.0u	25	10	5	250	5B	CA	TO48	
27#	TBG825A	800	25	75C	80m	2.5	50m	5.0m	110C	2.5	100	2.0u	25	10	5	250	5B	CA	TO48	
28	CT225-10	800	25	80C	50m	2.0	50m	2.0m	125C	1.8	35	1.5u	200m	5.0	100	250	4C	CD	MU212	
29	CT223A10	800	25	80C	50m	2.0	50m	2.0m	125C	1.8	35	1.5u	35	5.0	100	250	4C	CD	MU212	
30#	BTX84-800	800	25	85B	150m	3.0	150m	5.0m	125J	2.0	50	50	100	30	5	250	5	XC	CA	TO48
31#	BTX84-800J	800	25	85B	150m	3.0	150m	5.0m	125J	2.0	50	50	100	30	5	250	5	XC	CA	TO48
32#	SSG25C80	800	25	88C	70m	3.0	30m	5.0m	125J	1.6	35			20	100	250	2C	CD	SC193	
33#	MAC25-10	800	25	90C	70m	2.0	75m	2.0m	125C	1.7	35	1.5u	25	5.0	100	250	4C	CD	RD91a	
34	MAC25A-10	800	25	90C	100m	2.5	75m	2.0m	125C	1.7	35	1.5u	25	5.0	100	250	4C	CD	RD91a	
35	MAC25A10	800	25	95C	50m	2.0	50m	2.0m	125J	1.7	35	1.5u	35	5.0	50	250	4C	CD	MU254	
36	MAC25A10	800	25	95C	50m	2.0	50m	2.0m	125J	1.7	35	1.5u	35	5.0	50	250	4C	CD	MU254	
37#	TBDV825	800	27	80C	150m	3.0	30m	3.0m	100J	2.0	35	2.5u	30	100	200	230	5A	CA	TO48	
38#	TBG830	800	30	65C	80m	2.5	50m	5.0m	110C	2.5	100	2.0u	30	10	5	250	5B	CA	TO48	
39#	L1B04308F	800	30	80C	80m	3.0	60m	4.0m	100C	2.0	42			3.0	10	300	4B	CD	MU161	
40#	SSG35C80	800	35	84C	70m	3.0	30m	6.0m	125J	1.8	50			20	100	400	3C	CD	SC194	
41#	TW18N800CT	800	36	20C	80m	3.0	100m	5.0m	125J	2.0	50	3.0u	4.0	5.0	25	200	160	4C	CD	SC122
42	SC265M2	800	40	25C	150m	2.5	75m	1.0	115C	1.3	56			5.0	20	300	4B	CD	SC129	
43	SC265M3	800	40	25C	150m	2.5	75m	1.0	115C	1.3	56			5.0	20	300	4B	CD	SC129	
44	SC265M	800	40	25C	150m	2.5	75m	1.0	115C	1.3	56			5.0	20	300	4B	CD	SC129	
45	SC266M	800	40	25C	150m	2.5	75m	1.0	115C	1.3	56			5.0	20	300	4B	CD	SC129	
46#	TW25N800CT	800	40	40C	150m	3.0	150m	8.0m	125J	2.0	60	3.0u	4.0	25	200	280	4C	CD	SC122	
47	T8420N	800	40	60C	50m	2.5	60m	4.0m	110J	2.0	100	1.7u	60	5.0	10	300	6B	CC	SC87b	
48#	BTW41-800G	800	40	80B	75m	1.5	50m	5.0m	110J	1.6	50	50	50	5.0	12	260	5	XB	CD	MU124
49#	BTW41-800H	800	40	80B	75m	1.5	50m	5.0m	110J	1.6	50	50	50	5.0	23	280	5	XB	CD	MU124
50	MAC50-10	800	40	70C	70m	2.0	75m	2.0m	125C	1.7	56	1.5u	56	5.0	75	300	4C	CD	RD91a	
51	MAC50A-10	800	40	70C	100m	2.5	75m	2.0m	125C	1.7	56	1.5u	56	5.0	75	300	4C	CD	RD91a	
52	L1B05408F	800	40	80C	80m	3.0	90m	4.0m	100C	2.0	57			4.0	10	400	4B	CD	MU161	
53#	SSG45C80	800	45	82C	70m	3.0	50m	6.0m	125J	1.6	65			20	100	550	3C	CD	SC194	
54#	BCR50A16	800	50	83C	100m	2.5	10m	10m	125J	1.5	70			20	50	800	4C	CA	SC67a	
55#	SSG50C80	800	50	85C	100m	3.0	50m	6.0m	125J	1.5	70			20	50	800	3C	CD	SC195	
56	50AC80A	800	50	85C	200m	2.0	90m	10m	125J	2.0	70	100	200	10	200	400	4C	AF	TO65	
57	50AC80A	800	50	85C	200m	2.0	90m	10m	125J	2.0	50	50	100	10	100	550	4C	AF	TO65	
58#	TSOAC80	800	50	85C	500m	2.5	90m	10m	125J	2.0	50			10	100	550	4C	CF	MU263	
59#	BTV34-800G	800	55	75A	200m	2.5	200m	10m	125J	2.1	65			30	200	350	XC	CF	TO65	
60#	BTV34-800H	800	55	75A	200m	2.5	200m	10m	125J	2.1	65			30	200	350	XC	CF	TO65	
61#	BTW34-800G	800	55	75B	200m	2.5	200m	10m	125J	2.1	65	50	100	30	5	400	5	XC	CA	SC93a
62#	BTW34-800H	800	55	75B	200m	2.5	200m	10m	125J	2.1	65	50	100	30	5	400	5	XC	CA	SC93a
63	PT860	800	60	75C	100m	3.0	100m	10m	125J	2.0	100	3.0u	15	20	100	800	4C	CA	SC110	
64	SPT860	800	60	75C	100m	3.0	100m	10m	100J	2.0	100	3.0u	15	20	100	800	4C	CA	SC110	
65#	TGAL608	800	60	75C	100m	3.0	60m	10m	125J	2.0	100	3.0u	15	5.0	100	500	4C	CA	TO65	
66#	TGDV608	800	60	75C	150m	2.5	30m	5.0m	100J	2.1	85	3.0u	15	5.0	200	500	4C	CA	TO65	
67	60AC80	800	70	85C	500m	2.5	500m	10m	125J	2.0	85			20	50	700	4C	DA	TO4	
68#	BCR70816	800	80	87C	200m	3.0	30m	15m	125J	2.1	110			20	100	1.1k	4C	DA	SC147c	
69#	TKAL180	800	100	75C	200m	3.0	30m	10m	125J	1.8	150	3.0u		30	50	900	5C	CA	TO48	
70#	SSG100C80	800	100	83C	100m	3.0	50m	10m	125J	1.5	140			20	50	1.2k	3C	CD	SC196	
71#	FB100D-16	800	100	84C	200m	3.0	15m	15m	125J	2.3	140			50	100	1.1k	4C	BC	MU178	
72#	SSG150C80	800	100	84C	400m	3.0	70m	15m	125J	1.5	210			50	50	2.2k	3C	CD	SC209	
73#	BCR150B16	800	150	92C	300m	3.0	15m	15m	125J	1.6	720			50	100	2.0k	4C	BC	SC147b	
74#	FB150D-16	800	150	92C	300m	3.0	15m	15m	125J	1.6	720			50	100	2.0k	4C	BC	MU178	