

3. TRIODES, POWER, REVERSE-BLOCKING-SCRs

IN ORDER OF (1) MAX. REPEAT. OFF. ST. VOLT. (2) MAX. STATIC ON-STATE CUR. (3) @ (4) IGT (5) VGT (6) TYPE No.

LINE No.	TYPE No.	VDRM (V)	1 MAX. REP OFF-STATE VOLTAGE		2 MAX. STATIC ON-STATE CURRENT		MAXIMUM GATE FIRING CHARACTER		MAX. HOLD. CUR. (A)	MAX. OFF-ST. CURRENT IR@VRRM OR ID@VDRM (A)	MAXIMUM ON-STATE VOLTAGE		TYPICAL SWITCHING TIME			WORST-CASE dv/dt (V/us)	SURGE CURRENT ITSM (A)	OPER. TEMP. RANGE (°C)	LEAD CODE	DRAWING No.	
			IT (A)	V (V)	IT (A)	IT (A)	3 IGT (A)	4 VGT (V)			VT (V)	@IT (A)	tgt (s)	@IT (A)	tq (s)						
1#	BTW28-600R	600	16	70C	150m	3.0	45m	6.0m	120C	2.0	25	20u	100	20u	200	180	6C	AF	TO48		
2#	BTW28A-600R	600	16	70C	150m	3.0	45m	3.0m	120C	2.0	25	20u	100	20u	200	180	6C	AF	TO48		
3#	TR6010	600	16	75C	80m	3.0	20m	5.0m	120C	2.2	30	5.0u	10	100u	100	150	5C	AF	TO48		
4#	SC16C8QJ	600	16	77C	50m	3.0	30m	5.0m	125J	2.5	50	1.0u	16	10u	100	250	3C	AF	SC193		
5#	NAS806T #1	600	16	80C	20m	1.5	20m	1.0m	100C	1.6	16	100	*	25u	250	5C	AC	MU29			
6#	NAS806T #2	600	16	80C	20m	1.5	20m	1.0m	100C	1.6	16	100	*	25u	250	5C	AC	SC80			
7#	BTY79-600R	600	16	85B	30m	2.5	75m	3.0m	125J	2.0	20	1.5u	9.0	200u	50	150	XC	AF	TO64		
8#	BSD0340S6	600	16	85C	30m	2.5	80m	3.0m	125J	1.8	48	150	*	60u	200	250	4C	AF	SC88		
9#	11RC60	600	16	85B	40m	3.0	20m	2.5m	125J	2.3	10	3.0u	10	25u	20	125	4C	AF	SC22c		
10#	BTW38-600R	600	16	85B	50m	1.5	75m	3.0m	125J	2.0	20	1.5u	25	200u	50	150	XC	AF	SC116		
11#	BTW42-600R	600	16	85B	50m	1.5	75m	3.0m	125J	2.0	20	1.5u	25	200u	200	150	XC	AF	SC116		
12#	T12F600CCB	600	16	85C	50m	2.0	100m	5.0m	125J	2.7	60	1.8u	4.0	12u	50	220	4C	AF	SC94		
13#	T12F600CDB	600	16	85C	50m	2.0	100m	5.0m	125J	2.7	60	1.8u	4.0	15u	50	220	4C	AF	SC94		
14#	SKT18F06DS	600	16	85C	100m	3.0	300m							15u	500	330	XC	AC	TO48		
15#	T16N600BCC	600	16	85C	120m	1.4	200m	15m	125J	2.0	75	4.5u	10	100u	400	500	5C	AF	SC101		
16#	T16N600COC	600	16	85C	120m	1.4	200m	15m	125J	2.0	75	4.5u	10	100u	400	500	5C	AF	SC101		
17#	CS8-06G03	600	16	85C	30	2.5	80m	3.0m	125J	1.0				60u	200	250	4C	AF	SC179		
18#	CS8-08I03	600	16	85C	30	2.5	80m	3.0m	125J	1.0				60u	1.0k	250	4C	AF	SC179		
19#	SC16C60	600	16	88C	40m	3.0	30m	3.0m	125J	1.9	50	10u	16	100	50	250	3C	AF	SC193		
20	16TCRJ	600	16	93C	80m	2.5	10m	3.0m	125J	2.7	50	†		50	150	6C	AF	TO48			
21	2N6508	600	16	100C	75m	1.5	40m	2.0m	125C	2.0	†			2.0u	50	250	4C	AF	TO220AB		
22	T40006100800	600	16	125J	40m	3.0	100m	3.0m		2.3	31	150	*		50	150	4C	AF	TO48		
23	T40006101800	600	16	125J	40m	3.0	100m	3.0m		2.3	31	150	*	75u	50	150	4C	AF	TO48		
24	T40006100600	600	16	125J	80m	3.0	100m	3.0m		2.3	31	150	*		50	150	4C	AF	TO48		
25	T40006101600	600	16	125J	80m	3.0	100m	3.0m		2.3	31	150	*	75u	50	150	4C	AF	TO48		
26#	TAGN600DU	600	17	59C	50m	2.0	70m	5.0m	125J	2.8	40	1.0u	#	150u	400	170	4C	AF	TO48		
27#	10P65G	600	17	65C	40m	3.0	60m	5.0m	125J	2.5	50			100u	100	125	4F	AD	SC112		
28#	10S6SC	600	17	90C	60m	2.0	50m	4.5	125J	2.8	†			10	15u	100	125	4C	AF	SC41c	
29#	10S66SC	600	17	90C	60m	2.0	50m	4.5	125J	2.8	†			10	10u	100	125	4C	AF	SC41c	
30#	SKKT15-06	600	17.5	65C	100m	3.0	120m	8.0m	125J	2.5	75			80u	500	320	4C	†	MU205		
31#	BSIE4040N	600	18	80C	20m	2.0	80m	1.0m	115J	2.2	54	100	†	70u	200	240	4B	†	SC208		
32#	BSIE4140N	600	18	80C	20m	2.0	80m	1.0m	115J	2.2	54	100	†	70u	200	240	4B	†	Y203		
33#	BSIE4040P	600	18	80C	50m	2.0	200m	1.0m	115J	2.2	54	100	†	70u	500	240	4B	†	SC208		
34#	BSIE4140P	600	18	80C	50m	2.0	200m	1.0m	115J	2.2	54	100	†	70u	500	240	4B	†	Y203		
35#	T15.1N600C0B	600	18	85C	40m	2.0	100m	5.0m	125J	2.0	60	1.0u	10	60u	50	270	4C	AF	SC94		
36#	T15.1N600C0C	600	18	85C	40m	2.0	100m	5.0m	125J	2.0	60	1.0u	10	60u	400	270	4C	AF	SC94		
37	SK3504-RT	600	20	Δ	15m	2.0	20m	300u				200	*	40u	150	200	XA	AF	TO48		
38	MCR3818-8	600	20	Δ	25C	40m	1.5	50m	5.0m	100J	1.5	20	†	20u	50	240	4A	AF	RD17e		
39	MCR3918-8	600	20	Δ	25C	40m	1.5	50m	5.0m	100J	1.5	20	†	20u	50	240	4A	AF	SC96		
40#	T10N600C0C	600	20	Δ	68C	20m	2.0	60m	2.0m	125J	1.8	20	1.0u	†	20u	400	120	4C	AF	SC122a	
41	C138M10M	600	20	70	180m	3.0	150m	4.0m	125	4.0	100			10	10u	200	XC	AF	TO48		
42	C138M20M	600	20	70	180m	3.0	150m	4.0m	125	4.0	100			10	20u	200	XC	AF	TO48		
43	C139M10M	600	20	70	180m	3.0	150m	4.0m	125	4.0	100			10	10u	200	XC	AF	TO48		
44	C139M20M	600	20	70	180m	3.0	150m	4.0m	125	4.0	100			10	10u	200	XC	AF	TO48		
45#	CR20EY12	600	20	74C	50m	3.0	60m	6.0m	125J	2.5	60			20	15u	100	3C	AF	SC15a		
46	S6200M	600	20	Δ	75C	15m	2.0	20m	2.0m	100C	2.4	100	2.0u	30	30u	10	200	6A	AF	RD17e	
47	S6210M	600	20	Δ	75C	15m	2.0	20m	2.0m	100C	2.4	100	2.0u	30	30u	10	200	6A	AF	SC96	
48	S6220M	600	20	Δ	75C	15m	2.0	20m	2.0m	100C	2.4	100	2.0u	30	30u	10	200	6A	AF	SC87c	
49	S620	600	20	Δ	75C	25m	1.5	30m	3.0m	100C	1.8	24	2.5u		200	200	4F	AF	TO66		
50	IS620	600	20	Δ	75C	25m	1.5	30m	2.0m	100C	1.5	30	†	2.5u	200	200	4A*	AF	TO220AB		
51	SIPS620	600	20	Δ	75C	25m	1.5	50m	2.0m	100C	1.8	28		200	200	4A*	AF	SC107			
52	PS620	600	20	Δ	75C	25m	2.0	50m	2.0m	100C	1.9	40	†	2.5u	100	200	4A*	AF	TO203AA		
53	S620	600	20	Δ	75C	25m	2.0	50m	2.0m	100J	1.9	40	†	2.5u	100	200	4A	AF	TO203AA		
54	SPS620	600	20	Δ	75C	25m	2.0	50m	2.0m	100C	1.9	40	†	2.5u	100	200	4A*	AF	SC18h		
55	S6020L	600	20	Δ	80C	25m	2.0	40m	2.0m	100C	1.6	40	2.5u	†	35u	150	225	4B	AC	Y220b	
56#	BTW40-600R	600	20	85A	75m	1.5	Δ	75m	3.0m	125J	2.1	50	1.0u	100	100	400	XC	AF	TO48		
57#	BTX81-600R	600	20	85B	80m	3.5	100m			1.8	50						XC	AF	SC11a		
58#	T20F600BCC	600	20	85C	100m	1.4	200m	15m	125J	2.0	75	1.5u	10	12u	400	550	5C	AF	SC101		
59#	T20F600CCC	600	20	85C	100m	1.4	200m	15m	125J	2.0	75	1.5u	10	12u	400	550	5C	AF	SC101		
60#	FCR20U06JC	600	20	85	150m	3.0	40m	5.0m	125	2.5	50	1.1u	#	9.0	12u	200	300	5C	AF		
61#	FCR20U06JD	600	20	85	150m	3.0	40m	5.0m	125	2.5	50	1.1u	#	9.0	8.0u	200	300	5C	AF		
62#	FCR20U06JG	600	20	85	150m	3.0	40m	5.0m	125	2.5	50	1.1u	#	9.0	4.0u	200	300	5C	AF		
63#	CR20F12	600	20	86C	50m	3.0	40m	4.0m	125J	1.8	60				50	300	3C	AF	SC15a		
64#	SC20C60	600	20	88C	50m	3.0	30m	5.0m	125J	1.8	60	10u	20	100	50	400	3C	AF	SC194		
65#	TAG20-600	600	20	Δ	105J	50m	3.0	50m	1.5m	105J	1.7	30	†	2.0u	100	175	4A	AF	TO48		
66#	TAG20S800	600	20	Δ	105J	50m	3.0	50m	1.5m	105J	1.7	30	†	2.0u	100	175	4A	AF	TO48		
67#	TU620	600	20	Δ	110J	50m	2.5	50m	5.0m	110C	2.2	80	†	1.5u	20	35u	50	250	5C	AF	MU89
68#	BTX33-600	600	20	Δ	125J	50m	3.0	50m	1.5m	125J	1.7	30	†	2.0u	10	25u	100	175	4C	AF	TO48
69#	BTX33S600	600	20	Δ	125J	50m	3.0	50m	1.5m	125J	1.7	30	†	2.0u	10	25u	100	175	4C	AF	TO48
70#	BTY87-600RM	600	21	50C	65m	3.5	25m	4.0m	125C	3.0	†	50	†	1.1u	10	50u	200	140	5C	AF	SC121
71#	BTY87-600RU	600	21	50C	65m	3.5	25m	4.0m	125C	3.0	†	50	†	1.1u	10	50u	200	140	5C	AF	SC121a
72#	NO18RH06	600	21	85C	50m	3.0	100m	5.0m	125J	1.9	55				200	240	3C	AF	TO48		
73	2N5204	600	22	40A	80m	3.0	20	3.3m	125A	2.3											