


(6) Part Number	VRRM (V)	I _{F(AV)} @ T _C		V _{FM} @ I _{FM} (1) (V)	(2) EAS (mJ)	(3) I _{AR} (A)	I _{RM} @ Rated V _{RWM} (1) (mA)	Max. T _J (°C)	Case Outline Number (4)	Notes	Case Style		
		(A)	(°C)										
10CTQ150	150	10	145	0.86	6.75	0.30	7	175	K3		TO-220AB (7)		
12CTQ035 12CTQ040 12CTQ045	35 40 45	12	157	0.63	8	1.2	7	175					
15CTQ035 15CTQ040 15CTQ045	35 40 45	15	123	0.65	10	1.5	32	150					
MBR1535CT MBR1545CT	35 45	15	105	0.72	—	1.0	15	150				(3B)	
16CTQ080 16CTQ100	80 100	16	145	0.69	7.5	0.57	175						
20CTQ035 20CTQ040 20CTQ045	35 40 45	20	145	0.68	13	2	15	175					
MBR2035CT MBR2045CT	35 45	20	135	0.72	—	1.0	15	150				(3B)	
MBR2080CT MBR2090CT MBR2100CT	80 90 100	10	133	0.70	—	0.5	150	150					
MBR2535CT MBR2545CT	35 45	30 30	130	0.73	—	1.0	40	150					
25CTQ035 25CTQ040 25CTQ045	35 40 45	30	102	0.64	20	3	70	150					
30CTQ035 30CTQ040 30CTQ045	35 40 45	30	127	0.70	20	3	15	175					
30CTQ050 30CTQ060	50 60	30	97	0.71	13	1.5	45	150					
32CTQ030	30	30	109	0.53	13	3	97	150					

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(1) T_J = 125°C unless otherwise specified
(see Notes column).

(2) T_J = 25°C, I_{AS} = I_{AR}.

(3) Current decaying linearly to zero in 1µsec.
Frequency limited by T_J max. V_A = 1.5 x V_R typical
unless otherwise specified (see Notes column).

(3A) Current decaying linearly to zero in 1µsec.
Frequency limited by T_J max. V_A = 3 x V_R typical.

(3B) Current decaying linearly to zero in 2 µsec.
Frequency limited by T_J max. V_A = 1.5 x V_R typical.

(4) For case outline drawing see page O-2.

(5) For tape and reel specifications see page O-2.

(6) For optional lead forms see page O-2.

(1A) For V_{FM}: T_J = 25°C; for I_{RM}: T_J = 125°C.

(1B) For V_{FM}: T_J = 75°C; for I_{RM}: T_J = 100°C.

(1C) For V_{FM}: T_J = 70°C; for I_{RM}: T_J = 125°C.

(1D) For V_{FM}: T_J = 25°C; for I_{RM}: T_J = 125°C.

(1E) For V_{FM}: T_J = 25°C; for I_{RM}: T_J = 125°C.

(1G) V_{FM} rated at 50A.

(1H) V_{FM} rated at 80A.

(1J) V_{FM} rated at 160A.

(1K) For V_{FM}: T_J = 25°C; for I_{RM}: T_J = 100°C.

(1M) For V_{FM}: T_J = 125°C; for I_{RM}: T_J = 125°C.