



Powerex, Inc., Hillis Street, Youngwood, Pennsylvania 15697 (412) 925-7272

Powerex Europe, S.A., 428 Avenue G. Durand, BP107, 72003 Le Mans, France (43) 41.14.14

REVERSE BLOCKING GTO THYRISTORS

Type	V _{DRM} Volts	V _{RRM} Volts	V _{D(DC)} Volts	V _{R(DC)} Volts	I _{DRM} mA	I _{RRM} mA	I _{ORM} Amperes	C _s (μ F)	I _{T(RMS)} Amperes	I _{TSM} Amperes
FG500A70	3500	3500	2800	2800	70	70	500	2.0	360	4600
FG500A80	4000	4000	3200	3200	70	70	500	2.0	360	4600
FG500A90	4500	4500	3600	3600	70	70	500	2.0	360	4600
FG600C32	1600	1600	1280	1280	80	80	600	2.0	270	5000
FG600C40	2000	2000	1600	1600	80	80	600	2.0	270	5000
FG600C50	2500	2500	2000	2000	80	100	600	2.0	270	5000
FG800A70	3500	3500	2800	2800	70	70	800	2.0	390	4600
FG800A80	4000	4000	3200	3200	70	70	800	2.0	390	4600
FG800A90	4500	4500	3600	3600	70	70	800	2.0	390	4600
FG1000A32	1600	1600	1280	1280	50	100	1000	2.0	440	9000
FG1000A40	2000	2000	1600	1600	50	100	1000	2.0	440	9000
FG1000A50	2500	2500	2000	2000	50	100	1000	2.0	440	9000
FG2000D70	3500	3500	2800	2800	250	250	2000	6.0	1020	15500
FG2000D80	4000	4000	3200	3200	250	250	2000	6.0	1020	15500
FG2000D90	4500	4500	3600	3600	250	250	2000	6.0	1020	15500

I _{RI} (A ² s)	V _{TM} (at I _{TQRM}) Volts	I _{GT} mA	V _{GT} Volts	t _{gt} μs	t _{gq} μs	di _T /dt A/μs	dv/dt V/μs	R _{θJS} °C/W	Mounting Force (kN)	Outline Drawings	
										Number	Page
8.8 x 10 ⁴	3.5	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
8.8 x 10 ⁴	3.5	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
8.8 x 10 ⁴	3.5	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
1.0 x 10 ⁵	3.2	1500	1.5	10	20	300	1000	0.055	8.0 to 11.0	6	15
1.0 x 10 ⁵	3.2	1500	1.5	10	20	300	1000	0.055	8.0 to 11.0	6	15
1.0 x 10 ⁵	3.2	1500	1.5	10	20	300	1000	0.055	8.0 to 11.0	6	15
8.8 x 10 ⁴	4.0	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
8.8 x 10 ⁴	4.0	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
8.8 x 10 ⁴	4.0	1500	1.5	10	15	300	1000	0.045	7.4 to 9.8	4	14
3.4 x 10 ⁵	3.5	2000	1.5	10	20	300	1000	0.040	10.0 to 15.0	9	16
3.4 x 10 ⁵	3.5	2000	1.5	10	20	300	1000	0.040	10.0 to 15.0	9	16
3.4 x 10 ⁵	3.5	2000	1.5	10	20	300	1000	0.040	10.0 to 15.0	9	16
1.0 x 10 ⁶	4.0	3000	1.5	10	30	300	1000	0.016	31.0 to 44.0	12	16
1.0 x 10 ⁶	4.0	3000	1.5	10	30	300	1000	0.016	31.0 to 44.0	12	16
1.0 x 10 ⁶	4.0	3000	1.5	10	30	300	1000	0.016	31.0 to 44.0	12	16