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## REVERSE CONDUCTING GTO THYRISTORS

Type	V <sub>DRM</sub> Volts	V <sub>D(DC)</sub> Volts	I <sub>DRM</sub> mA	I <sub>TORM</sub> Amperes	C <sub>s</sub> ( $\mu$ F)	I <sub>T RMS</sub> Amperes	I <sub>R RMS</sub> Amperes	I <sub>T SM</sub> Amperes	I <sub>R SM</sub> Amperes	I <sub>T1</sub> A <sup>2</sup> s	I <sub>R1</sub> A <sup>2</sup> s
FGR2000BH40	2000	1600	150	2000	4.0	1100	1100	10400	10400	4.5 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>
FGR2000BH50	2500	2000	150	2000	4.0	1100	1100	10400	10400	4.5 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>
FGR2000BV70	3500	2800	150	2000	4.0	940	940	9000	9000	3.4 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>
FGR2000BV80	4000	3200	150	2000	4.0	940	940	9000	9000	3.4 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>
FGR2000BV90	4500	3600	150	2000	4.0	940	940	9000	9000	3.4 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>
FGR3000AH40	2000	1600	200	3000	6.0	1155	1000	15000	15000	9.4 x 10 <sup>5</sup>	9.4 x 10 <sup>5</sup>
FGR3000AH50	2500	2000	200	3000	6.0	1155	1000	15000	15000	9.4 x 10 <sup>5</sup>	9.4 x 10 <sup>5</sup>
FGR3000AV70	3500	2800	200	3000	6.0	1000	860	14000	14000	8.2 x 10 <sup>5</sup>	8.2 x 10 <sup>5</sup>
FGR3000AV80	4000	3200	200	3000	6.0	1000	860	14000	14000	8.2 x 10 <sup>5</sup>	8.2 x 10 <sup>5</sup>
FGR3000AV90	4500	3600	200	3000	6.0	1000	860	14000	14000	8.2 x 10 <sup>5</sup>	8.2 x 10 <sup>5</sup>

\* At 1570A

\*\* At 3000A

## GTO MODULES

Type	Also Available As:	V <sub>DRM</sub> Volts	V <sub>D(DC)</sub> Volts	I <sub>DRM</sub> mA	I <sub>TORM</sub> Amperes	C <sub>s</sub> ( $\mu$ F)	I <sub>T RMS</sub> Amperes	I <sub>R SM</sub> Amperes	I <sub>T1</sub> A <sup>2</sup> s
GM100DY16	GDM20810	800	640	10	100	0.1	30	400	6.7 x 10 <sup>2</sup>
GM100DY20	GDM21010	1000	800	10	100	0.1	30	400	6.7 x 10 <sup>2</sup>
GM100DY24	GDM21210	1200	960	10	100	0.1	30	400	6.7 x 10 <sup>2</sup>
GM200DY16	GDM20820	800	640	30	200	0.47	70	500	1.0 x 10 <sup>3</sup>
GM200DY20	GDM21020	1000	800	30	200	0.47	70	500	1.0 x 10 <sup>3</sup>
GM200DY24	GDM21220	1200	960	30	200	0.47	70	500	1.0 x 10 <sup>3</sup>

## GTO Pow-R-Brik™

Type	V <sub>DRM</sub> Volts	V <sub>D(DC)</sub> Volts	I <sub>DRM</sub> mA	I <sub>TORM</sub> Amperes	C <sub>s</sub> ( $\mu$ F)	I <sub>T RMS</sub> Amperes	I <sub>R SM</sub> Amperes	I <sub>T1</sub> A <sup>2</sup> s
P5ZAAGT118W25	2500	2000	50	1800	4.0	700	11000	5.1 x 10 <sup>5</sup>

V <sub>TM</sub> (at I <sub>TORM</sub> ) Volts	V <sub>RM</sub> Volts	I <sub>GT</sub> mA	V <sub>GT</sub> Volts	t <sub>gt</sub> μs	t <sub>gq</sub> μs	di <sub>T</sub> /dt A/μs	dv/dt V/μs	R <sub>θJS</sub> GTO part °C/W	R <sub>θJS</sub> Diode part °C/W	Mounting Force (kN)	Outline Drawings	
											Number	Page
3.5	2.5*	3000	1.5	10	30	300	1000	0.023	0.032	36.0 to 44.0	12	16
3.5	2.5*	3000	1.5	10	30	300	1000	0.023	0.032	36.0 to 44.0	12	16
4.4	3.0*	3000	1.5	10	30	300	1000	0.023	0.032	36.0 to 44.0	12	16
4.4	3.0*	3000	1.5	10	30	300	1000	0.023	0.032	36.0 to 44.0	12	16
4.4	3.0*	3000	1.5	10	30	300	1000	0.023	0.032	36.0 to 44.0	12	16
3.5	4.0**	4000	3.0	10	30	500	1500	0.020	0.030	40.0 to 54.0	15	17
3.5	4.0**	4000	3.0	10	30	500	1500	0.020	0.030	40.0 to 54.0	15	17
4.0	4.5**	4000	3.0	10	30	500	1500	0.020	0.030	40.0 to 54.0	15	17
4.0	4.5**	4000	3.0	10	30	500	1500	0.020	0.030	40.0 to 54.0	15	17
4.0	4.5**	4000	3.0	10	30	500	1500	0.020	0.030	40.0 to 54.0	15	17

V <sub>TM</sub> (at I <sub>TORM</sub> ) Volts	I <sub>GT</sub> mA	V <sub>GT</sub> Volts	t <sub>gt</sub> μs	t <sub>gq</sub> μs	di <sub>T</sub> /dt A/μs	dv/dt V/μs	R <sub>θJC</sub> GTO part °C/W	R <sub>θJC</sub> Diode part °C/W	Mounting Torque (N.m)	Outline Drawings	
										Number	Page
4.5	400	1.5	4	8	200	1000	0.7	0.6	2.0 to 3.0	17	18
4.5	400	1.5	4	8	200	1000	0.7	0.6	2.0 to 3.0	17	18
4.5	400	1.5	4	8	200	1000	0.7	0.6	2.0 to 3.0	17	18
4.3	900	1.5	4	10	200	1000	0.35	0.6	2.0 to 3.0	18	18
4.3	900	1.5	4	10	200	1000	0.35	0.6	2.0 to 3.0	18	18
4.3	900	1.5	4	10	200	1000	0.35	0.6	2.0 to 3.0	18	18

V <sub>TM</sub> (at I <sub>TORM</sub> ) Volts	I <sub>GT</sub> mA	V <sub>GT</sub> Volts	t <sub>gt</sub> μs	t <sub>gq</sub> μs	di <sub>T</sub> /dt A/μs	dv/dt V/μs	R <sub>θJC</sub> GTO part °C/W	R <sub>θJC</sub> Diode part °C/W	Mounting Torque (N.m)	Outline Drawings	
										Number	Page
2.6	4000	2.0	10	30	300	500	.048	.050	—	19	18