- Three phase bridge and a thyristor
- Low forward voltage
- High wave surging capability

- Inverter for AC or DC motor control
- Current stabilized power supply
- Switching power supply

(@ T_C = 25℃ unless otherwise specified)

Repetitive peak reverse voltage		V_{DRM} /$_{RRM}$	1800	V
Non-repetitive peak reverse voltage	Tvj = 25℃			

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Forward voltage	I_T=75A	V_{TM}		1.10	1.30	V
Repetitive peak off-state current	V_D = V_{DRM}, T_{vj} = 25	I_{DRM}			0.1	mA
	V_D = V_{DRM}, T_{vj} = 125				20	mA
Reverse leakage current	V_R = V_{RRM}, T_{vj} = 25	I_{RRM}			0.1	mA
	V_R = V_{RRM}, T_{vj} = 125				20	mA
Threshold voltage	For power loss calculation only T_{vj} = 125 ,	V_{TO}			0.85	V
Dynamic resistance	T_{vj} = 125 ,	r_T			2.5	mΩ
Triggering gate voltage	V_D=12V, R_L=30Ω	V_{GT}			1.8	V
Triggering gate current	V_D=12V, R_L=30Ω	I_{GT}	20		120	mA

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Forward voltage	I_D = 100A, Tvj = 25℃	V_F		1.20	1.40	V
Reverse leakage current	$V_R = V_{RRM}$, Tvj = 25℃	I_{RRM}			0.1	mA
	$V_R = V_{RRM}$, Tvj = 150℃				20	mA
Thermal resistance, junction to case	per diode	R_{thJC}			0.20	K/W

(@ T_C = 25℃ unless otherwise specified)

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