Features

- Half-bridge configuration with integrated SCR and diode in a single package
- High-thermal-conductivity DBC insulation for excellent heat dissipation
- Vacuum soldering technology for enhanced reliability

Applications

- Heating control
- Light control system
- DC motor

Product Summary

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Electrical Characteristics (@ T_C = 25℃ unless otherwise specified)

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Peak forward voltage	I_T=600A, t_P=380	V_T			1.80	V
Repetitive peak off-state current	V_D = V_{DRM}, T_{vj} = 25	I_{DRM}			100	A
	V_D = V_{DRM}, T_{vj} = 125				60	mA
Reverse leakage current	V_R = V_{RRM}, T_{vj} = 25	I_{RRM}			100	A
	V_R = V_{RRM}, T_{vj} = 125				60	mA
Threshold voltage	For power loss calculation only T_{vj} = 125 ,	V_{TO}			0.87	V
Dynamic resistance	T_{vj} = 125 ,	r_T			1.35	

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