



- Half-bridge SCR configuration integrated in a single package
- With high thermal conductivity DBC as the Insulation
- Welding by vacuum welding technology, which provide high reliability

Applications

- Temperature control
- Light control system
- DC motor

Absolute Maximum Ratings (@ T_C = 25°C unless otherwise specified)

Parameter	Conditions	Symbol	Values	Unit
Repetitive peak off-state voltage	T _{vj} = 25°C	V _{DRM}	1800	V
Repetitive peak reverse voltage	T _{vj} = 25°C	V _{RSM}	1800	V
Non-repetitive peak off-state voltage	T _{vj} = 25°C	V _{DSM}	1900	V
Non-repetitive peak reverse voltage	T _{vj} = 25°C	V _{RSM}	1900	V
Average forward current	T _C = 85°C	I _{T(AV)}	250	A
Forward surge current	t _P =10ms V _R =0.6V _{RSM}	I _{TSM}	8300	A
I ² t value for fusing		I ² t	344450	A ² s
Critical rate of rise of on-state current	I _G =2×I _{GT}	di/dt	150	A/μs
RMS isolation voltage	A.C 50Hz(1s/1min)	V _{ISO}	3600/3000	V
Junction temperature range		T _{J104j}	-40~+125	

Storage temperature



Electrical Characteristics (@ $T_C = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	

Peak forward voltage $I_T =$



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