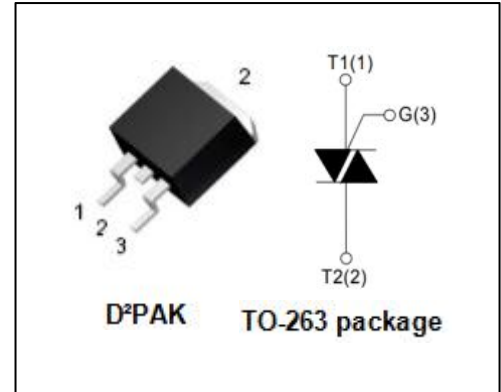


isc Thyristors
T810-600G
APPLICATIONS

- With TO-D²PAK package
- Low thermal resistance with clip bonding
- Be suitable for general purpose AC switching, they can be used as an ON/OFF function in applications.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.


ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage	600	V
V _{RRM}	Repetitive peak reverse voltage	600	V
I _{T(RMS)}	RMS on-state current full sine wave; T _{mb} ≤ 101°C	8	A
I _{TSM}	Surge non-repetitive on-state current t=20ms t=16.7ms	80 84	A
P _{G(AV)}	Average gate power dissipation (over any 20 ms period)	1	W
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C

ELECTRICAL CHARACTERISTICS (T_c=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM}	T _j =25°C		0.005	mA
			T _j =125°C		1	
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM}	T _j =25°C		0.005	mA
			T _j =125°C		1	
V _{TM}	On-state voltage	I _{TM} = 11A			1.55	V
I _{GT}	Gate-trigger current Quadrant (I - II - III)	V _D = 12 V; I _T =0.1A			10	mA
V _{GT}	Gate-trigger voltage Quadrant (I - II - III)	V _D = 12 V; I _T =0.1A			1.3	V

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