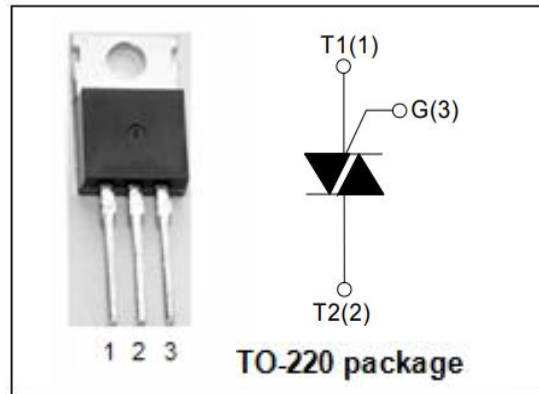


FEATURES

- With TO-220 insulated package
- Suitable for AC switching operations, Which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits... or for phase control in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage	600	V
I _{T(RMS)}	RMS on-state current (full sine wave; T _{mb} ≤ 107°C)	6	A
I _{TSM}	Non-repetitive peak on-state current (T _j = 25°C; T _p = 20ms)	60	A
I ² t	I ² t for fusing tp = 10ms; sine-wave pulse	21	A ² S
di/dt	T _j = 125°C	50	A/us
I _{GM}	Peak gate current	4	A
P _{G(AV)}	Average gate power dissipation	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	MAX	UNIT
I _{GT}	Gate trigger current	I	V _D =12V; I _T = 0.1A, T _J =25°C	5	mA
		II		5	
		III		5	
V _{GT}	Gate trigger voltage		V _D =12V; I _T = 0.1A	1.3	V
I _{DRM}	Repetitive peak off-state current		V _D =V _{DRM} , V _D =V _{DRM} , T _J =125°C	5 1000	uA
V _{TM}	On-state voltage		I _T = 5.5A	1.55	V
I _H	Holding current		I _{GT} = 0.1A, V _D = 12V	10	mA

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