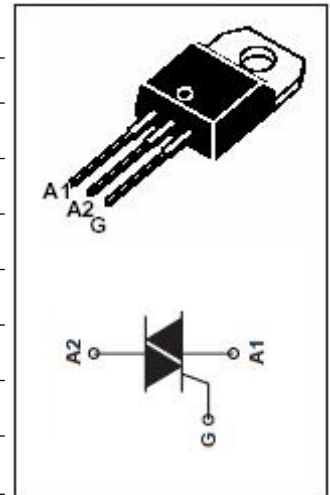**FEATURES**

- With TO-220 insulated package
- Suitables for general purpose AC switching.   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 operation in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance andreliable operation

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{T(RMS)}$	RMS on-state current (full sine wave) Tc=100℃	25	A
I_{TSM}	Non-repetitive peak on-state current t_p=20ms	250	A
T_j	Operating junction temperature	150	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	1.7	℃/W

ELECTRICAL CHARACTERISTICS (T$_C$=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM}, V_R=V_{RRM}, Tj=125℃	0.0052	mA
I_{DRM}	Repetitive peak off-state current		V_R=V_{RRM}, V_R=V_{RRM}, Tj=125℃	0.0052	mA
I_{GT}	Gate trigger current	Ⅰ - Ⅱ -Ⅲ	V_D=12V; R_L= 30 Ω	35	mA
I_H	Holding current		V_D=12V; Tj= 25℃	50	mA
V_{GT}	Gate trigger voltage		V_D=12V; R_L= 30 Ω	1.3	V
V_{TM}	On-state voltage		I_T= 35A; t_p= 380 μ s	1.5	V

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