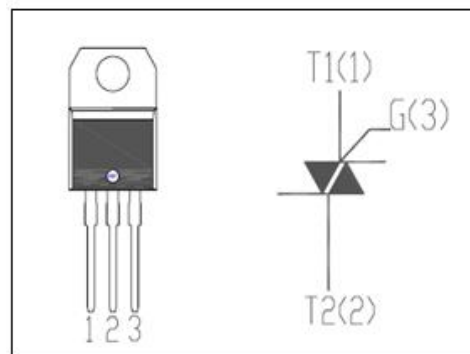


FEATURES

- With TO-220AB insulated package
- Suitable 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 and reliable operation


ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	400	V
V_{RRM}	Repetitive peak off-state voltage	400	V
$I_{\text{T(RMS)}}$	RMS on-state current (full sine wave) $T_c=75^{\circ}\text{C}$	8	A
I_{TSM}	Non-repetitive peak on-state current	80 84	A
		50HZ 60HZ	
T_j	Operating junction temperature	110	$^{\circ}\text{C}$
T_{stg}	Storage temperature	-40~150	$^{\circ}\text{C}$
$R_{\text{th(j-c)}}$	Thermal resistance, junction to case	4.4	$^{\circ}\text{C/W}$
$R_{\text{th(j-a)}}$	Thermal resistance, junction to ambient	60	$^{\circ}\text{C/W}$

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

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I _{RRM}	Repetitive peak reverse current		V _R =V _{RRM} , V _R =V _{RRM} , T _j =110°C	0.01 0.75	mA
I _{DRM}	Repetitive peak off-state current		V _D =V _{DRM} , V _D =V _{DRM} , T _j =110°C	0.01 0.75	mA
I _{GT}	Gate trigger current	I	V _D =12V; R _L = 33 Ω	10	mA
		II		10	
		III		10	
I _H	Holding current		I _{GT} = 0.1A, Gate Open	25	mA
V _{GT}	Gate trigger voltage all quadrant		V _D =12V; R _L = 33 Ω	1.5	V
V _{TM}	On-state voltage		I _T = 11A; t _p = 380 μ s	1.75	V

NOTICE:

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