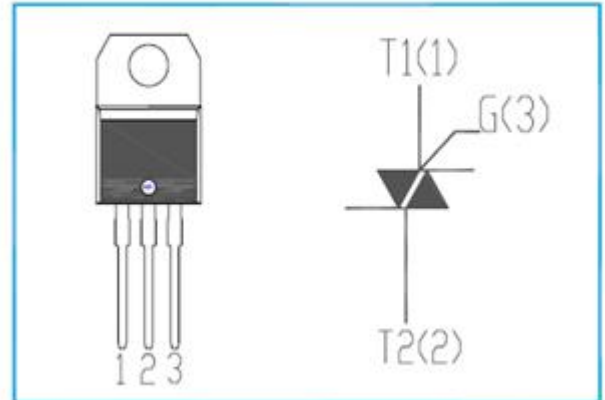


FEATURES

- With TO-220 package
- Glass passivated triacs in a plastic envelope, Intended for use in general purpose bidirectional switching and phase control applications, where high sensitivity is required in all our quadrants.
- 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	600	V
V_{RRM}	Repetitive peak off-state voltage	600	V
$I_{\text{T(RMS)}}$	RMS on-state current (full sine wave)	12	A
I_{TSM}	Non-repetitive peak on-state current	95	A
P_{GM}	Peak gate power dissipation	5	W
$P_{\text{G(AV)}}$	Average gate power dissipation	0.5	W
T_j	Operating junction temperature	125	$^{\circ}\text{C}$
T_{stg}	Storage temperature	-45~150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_c=25^{\circ}\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current	$V_R=V_{\text{RRM}}$, $V_R=V_{\text{RRM}}$, $T_j=125^{\circ}\text{C}$		0.02 0.5	mA
I_{DRM}	Repetitive peak off-state current	$V_D=V_{\text{DRM}}$, $V_D=V_{\text{DRM}}$, $T_j=125^{\circ}\text{C}$		0.02 0.5	mA
I_{GT}	Gate trigger current	$V_D=12\text{V}$; $I_T=0.1\text{A}$, $R_L=30\ \Omega$		10	mA
				10	
				10	
				25	
V_{TM}	On-state voltage	$I_T=15\text{A}$		1.65	V
I_{H}	Holding current	$I_{\text{GT}}=0.1\text{A}$, $V_D=12\text{V}$		30	mA
V_{GT}	Gate trigger voltage	$V_D=12\text{V}$; $R_L=30\ \Omega$ all quadrant		1.5	V

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