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TIC225M

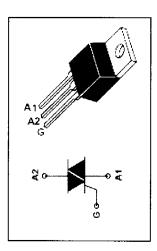
Triacs

FEATURES

- · With TO-220 package
- · Sensitive Gate Triacs
- · Glass Passivated
- Max I_{GT} of 5 mA (Quadrants 1)

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak reverse voltage	600	٧
I _{T(RMS)}	RMS on-state current (full sine wave)T _C =70 ℃	8	Α
I _{TSM}	Non-repetitive peak on-state current	70	Α
Tj	Operating junction temperature	110	$^{\circ}$
T_{stg}	Storage temperature -		$^{\circ}$
R _{th(j-c)}	Thermal resistance, junction to case 2.5		°C/W
R _{th(j-a)}	Thermal resistance, junction to ambient	62.5	°C∕W



ELECTRICAL CHARACTERISTICS (T_c=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I _{DRM}	Repetitive peak off-state current		V _D =V _{DRM} , T _C =110 °C	2.0	mA
l _{GT}	Gate trigger current	I	V _{supply} = 12 V†; R _L = 10 Ω; t _{p(g)} >20 μ s	5	- mA
		II		20	
		III		10	
		IV		30	
I _H	Holding current		V_{supply} = 12 V†, I_{G} = 0 initial I_{TM} = 100mA	20	mA
V _{GT}	Gate trigger voltage all quadrant		V _{supply} = 12 V†; R _L = 10 Ω; t _{p(g)} >20 μ s	2	V
V _{TM}	On-state voltage		I _T = 12A; I _G = 50mA	2.1	V

