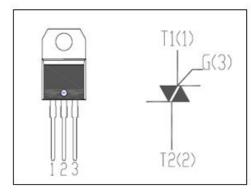


isc Triacs BTA16-600SWRG

FEATURES

- With TO-220AB insulated package
- Be 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(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak off-state voltage	600	V
I _{T(RMS)}	RMS on-state current (full sine wave)	16	Α
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	160	Α
Tj	Operating junction temperature	125	$^{\circ}$
T _{stg}	Storage temperature	-40~150	$^{\circ}$
R _{th(j-c)}	Thermal resistance, junction to case	2.1	°C/W
R _{th(j-a)}	Thermal resistance, junction to ambient	60	°C/W

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

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I _{RRM}	Repetitive peak reverse current		V _R =V _{RRM} , V _R =V _{RRM} , Tj=125°C	0.005 2	mA
I _{DRM}	Repetitive peak off-state current		$V_D=V_{DRM}$, $V_D=V_{DRM}$, $Tj=125$ $^{\circ}$ C	0.005 2	mA
I _{GT}		I	V _D =12V; R _L = 33 Ω	10	mA
	Gate trigger current	II		10	
		III		10	
I _H	Holding current		I _{GT} = 0.5A, Gate Open	35	mA
V_{GT}	Gate trigger voltage all quadrant		V _D =12V; R _L = 33 Ω	1.3	V
V _{TM}	On-state voltage		I _T = 22.5A; t _p = 380 μ s	1.55	V



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