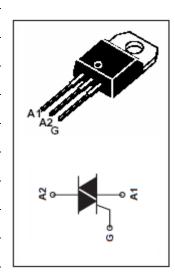
isc Triacs BTA12-600C

FEATURES

- With TO-220AB 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.

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	V
I _{T(RMS)}	RMS on-state current (full sine wave)T _j =90℃	12	Α
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	120	Α
T _j	Operating junction temperature	110	$^{\circ}$
T _{stg}	Storage temperature	-45~150	$^{\circ}$
R _{th(j-c)}	Thermal resistance, junction to case	2.3	°C/W
R _{th(j-a)}	Thermal resistance, junction to ambient	60	°C/W



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

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I _{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, Tj=110 $^{\circ}$ C	0.01 0.5	mA
I _{DRM}	Repetitive peak off-state current		$V_D = V_{DRM}$, $V_D = V_{DRM}$, $T_J = 110$ $^{\circ}$ C	0.01 0.5	mA
I _{GT}	Gate trigger current II IV	I	V _D =12V; R _L = 30 Ω	25	mA
		II		25	
		III		25	
		IV		50	
I _H	Holding current		I _{GT} = 0.5A, Gate Open	25	mA
V_{GT}	Gate trigger voltage all quadrant		V _D =12V; R _L = 30 Ω	1.3	V
V _{TM}	On-state voltage		I _T = 17A; t _p = 380 μ s	1.55	V

isc website: www.iscsemi.cn