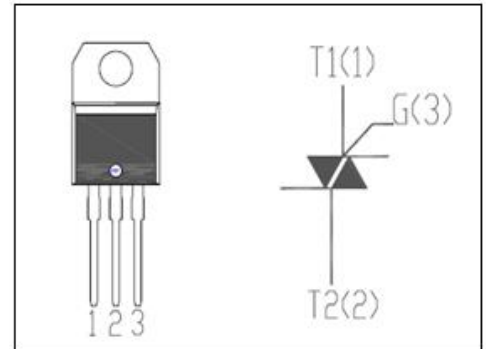


isc Triacs
BTA08-800C
FEATURES

- 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(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage	800	V
V _{RRM}	Repetitive peak off-state voltage	800	V
I _{T(RMS)}	RMS on-state current (full sine wave) T _c =75°C	8	A
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	80	A
T _j	Operating junction temperature	110	°C
T _{stg}	Storage temperature	-40~150	°C
R _{th(j-c)}	Thermal resistance, junction to case	4.4	°C/W
R _{th(j-a)}	Thermal resistance, junction to ambient	60	°C/W

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

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, $T_J=110^\circ\text{C}$	0.005 1	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{DRM}$, $V_D=V_{DRM}$, $T_J=110^\circ\text{C}$	0.005 1	mA
I_{GT}	Gate trigger current	I	$V_D=12\text{V}$; $R_L=33\ \Omega$	25	mA
		II		25	
		III		25	
		IV		50	
I_H	Holding current		$I_{GT}=0.1\text{A}$, Gate Open	25	mA
V_{GT}	Gate trigger voltage all quadrant		$V_D=12\text{V}$; $R_L=33\ \Omega$	1.3	V
V_{TM}	On-state voltage		$I_T=11\text{A}$; $t_p=380\ \mu\text{s}$	1.55	V

NOTICE:

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