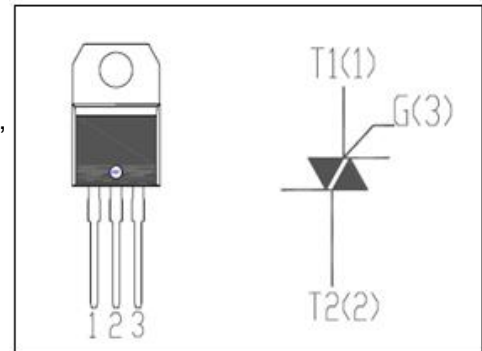


isc Triacs
BTA225-800B
FEATURES

- 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°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)	25	A
I_{TSM}	Non-repetitive peak on-state current $t_p=20ms$	190	A
T_j	Operating junction temperature	125	°C
T_{stg}	Storage temperature	-40~150	°C
$R_{th(j-c)}$	Thermal resistance, junction to case	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	MIN	MAX	UNIT	
I_{RRM}	Repetitive peak reverse current	$V_R=V_{RRM}, T_j=125^\circ C$		0.5	mA	
I_{DRM}	Repetitive peak off-state current	$V_D=V_{DRM}, T_j=125^\circ C$		0.5	mA	
I_{GT}	Gate trigger current	I	$V_D=12V; I_T=0.1A$	2	50	mA
		II		2	50	
		III		2	50	
I_H	Holding current	$V_D=12V; I_T=0.1A$		60	mA	
V_{GT}	Gate trigger voltage all quadrant	$V_D=12V; I_T=0.1A$		1.5	V	
V_{TM}	On-state voltage	$I_T=30A$		1.55	V	

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