

isc Triacs

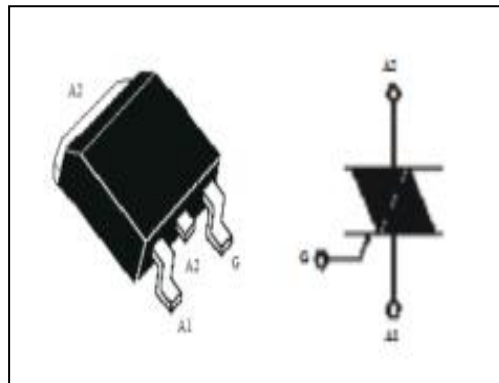
BTA225B-800BT

DESCRIPTION

- With TO-3PN packaging
- Operating in 4 quadrants
- High commutation capability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Switching applications
- Phase control
- Static switching on inductive or resistive load



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER		MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage		800	V
V _{RRM}	Repetitive peak reverse voltage		800	V
I _{T(RMS)}	RMS on-state current T _c = 100℃		25	A
I _{TSM}	Non-repetitive peak on-state current	50HZ 60HZ	190 209	A
T _j	Operating junction temperature		-40~125	℃
T _{stg}	Storage temperature		-40~150	℃
R _{th(j-c)}	Thermal resistance (Junction to Case)		1.4	℃/W

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

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_{DRM}=V_{RRM}$; $T_J=125^{\circ}\text{C}$	0.5	mA
I_{DRM}	Repetitive peak off-state current		$V_{DRM}=V_{RRM}$; $T_J=125^{\circ}\text{C}$	0.5	mA
I_{GT}	Gate trigger current	I	$V_D=12\text{V}$; $I_T=0.1\text{A}$	50	mA
		II		50	
		III		50	
V_{GT}	Gate trigger voltage all quadrant		$V_D=12\text{V}$; $I_T=0.1\text{A}$	1.5	V
V_{TM}	On-state voltage		$I_{TM}=30\text{A}$; $T_J=25^{\circ}\text{C}$	1.55	V

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