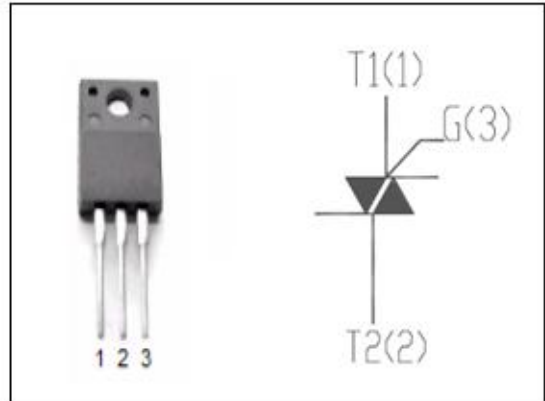


isc Triacs

BTA206X-800CT

FEATURES

- With TO-220F insulated package
- Suitable for motor control circuits where very high blocking voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{\text{T(RMS)}}$	RMS on-state current (full sine wave) $T_j=70^{\circ}\text{C}$	6	A
I_{TSM}	Non-repetitive peak on-state current $t_p=20\text{ms}$	60	A
T_j	Operating junction temperature	150	$^{\circ}\text{C}$
T_{stg}	Storage temperature	-40~150	$^{\circ}\text{C}$
$R_{\text{th(j-c)}}$	Thermal resistance, junction to case	4.5	$^{\circ}\text{C/W}$

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

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{\text{RRM}}, T_j=25^{\circ}\text{C}$		2	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{\text{DRM}}, T_j=25^{\circ}\text{C}$		2	mA
I_{GT}	Gate trigger current	I	$V_D=12\text{V}; R_L=33\Omega$	4	35	mA
		II		4	35	
		III		4	35	
I_{H}	Holding current		$I_{\text{GT}}=0.5\text{A}$, Gate Open		35	mA
V_{GT}	Gate trigger voltage all quadrant		$V_D=12\text{V}; R_L=33\Omega$		1.0	V
V_{TM}	On-state voltage		$I_T=7\text{A}; t_p=380\mu\text{s}$		1.6	V

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