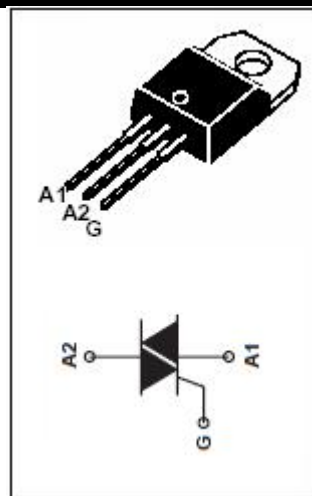


isc Triacs
BTA24-600CW
FEATURES

- With TO-220AB insulated package
- Suitable for general purpose where high surge current capability is required.
Application such as phase control and static switching on inductive or resistive load.
- 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	600	V
V_{RRM}	Repetitive peak reverse voltage	600	V
$I_{T(RMS)}$	RMS on-state current (full sine wave) $T_j=90^\circ\text{C}$	25	A
I_{TSM}	Non-repetitive peak on-state current $t_p=8.3\text{ms}$	260	A
T_j	Operating junction temperature	125	°C
T_{stg}	Storage temperature	-45~150	°C
$P_{G(AV)}$	Average gate power dissipation ($T_j=125^\circ\text{C}$)	1	W
$R_{th(j-c)}$	Thermal resistance, junction to case	1.5	°C/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	50	°C/W

ELECTRICAL CHARACTERISTICS (T_c=25°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 =125°C	0.01 3.0	mA
I _{DRM}	Repetitive peak off-state current		V _D =V _{DRM} , V _D =V _{DRM} , T _j =125°C	0.01 3.0	mA
I _{GT}	Gate trigger current	I	V _D =12V; R _L = 33 Ω	35	mA
		II		35	
		III		35	
I _H	Holding current		I _{GT} = 0.5A, Gate Open	50	mA
V _{GT}	Gate trigger voltage all quadrant		V _D =12V; R _L = 33 Ω	1.3	V
V _{TM}	On-state voltage		I _T = 35A; t _p = 380 μ s	1.55	V

NOTICE:

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