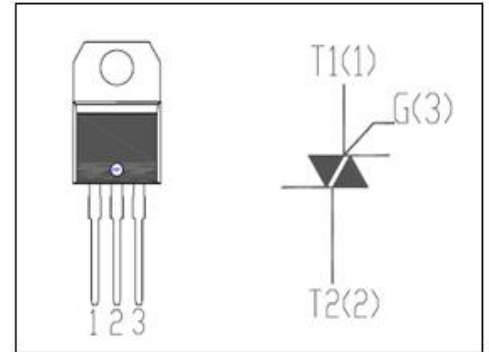


FEATURES

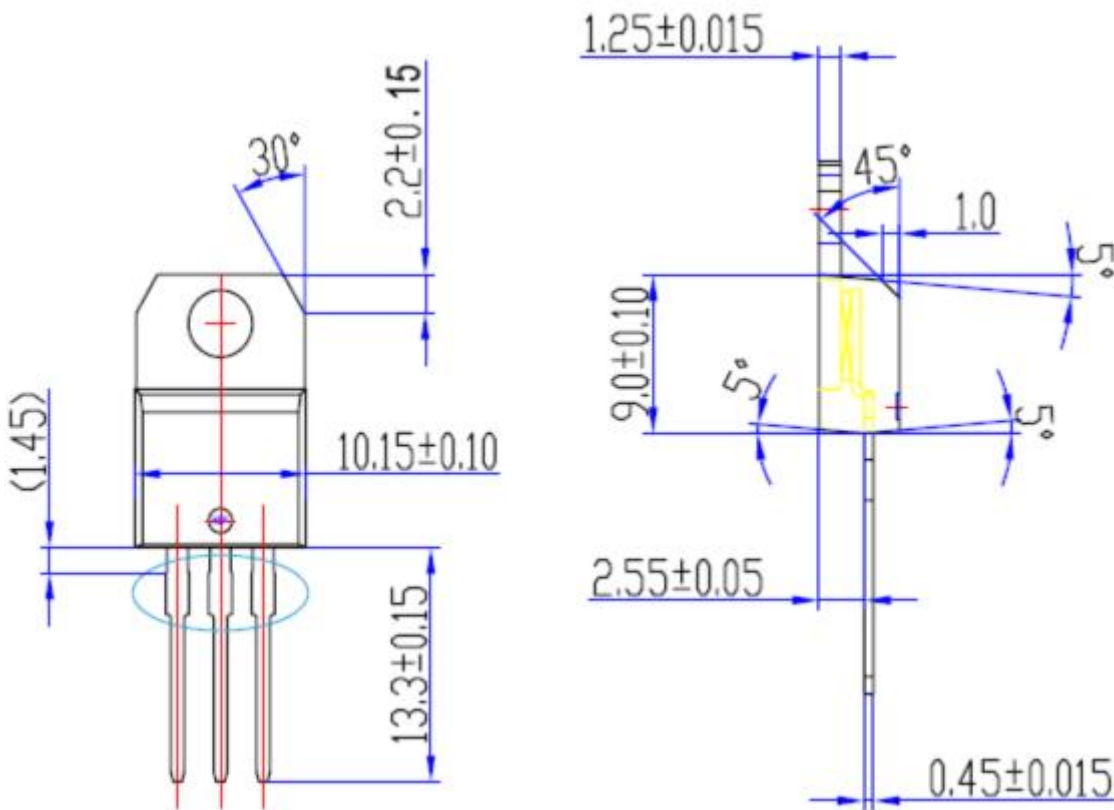
- With TO-220AB insulated package
- Suitable for general purpose AC switching. Which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.
- Minimum 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 _j =80°C	16	A
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	160	A
I ² t	I ² t value for fusing (t=10ms)	128	A ² S
P _{G(AV)}	Average gate power dissipation	0.5	W
P _{GM}	Peak gate power	5	W
T _j	Operating junction temperature	150	°C
T _{stg}	Storage temperature	-40~150	°C
R _{th(j-c)}	Thermal resistance, junction to case	1.9	°C/W

isc Triacs
BTA416Y-800B
ELECTRICAL CHARACTERISTICS (T_c=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} , T _j =25°C V _R =V _{RRM} , T _j =125°C	0.01 2	mA
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} , T _j =25°C V _D =V _{DRM} , T _j =125°C	0.01 2	mA
I _{GT}	Gate trigger current	I	V _D =12V; R _L = 33 Ω	50
		II		50
		III		50
I _H	Holding current	I _{GT} = 0.1A, Gate Open	60	mA
V _{GT}	Gate trigger voltage all quadrant	V _D =12V; R _L = 33 Ω	1.5	V
V _{TM}	On-state voltage	I _T = 22.5A; t _p = 380 μ s	1.5	V



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