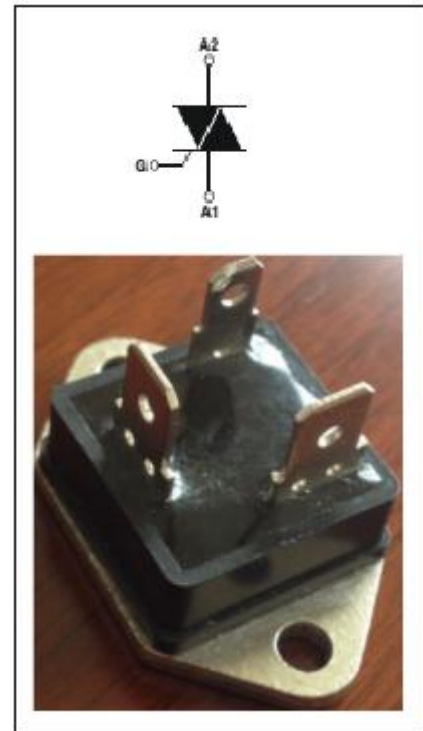


isc Triacs
BTA40-600B
FEATURES

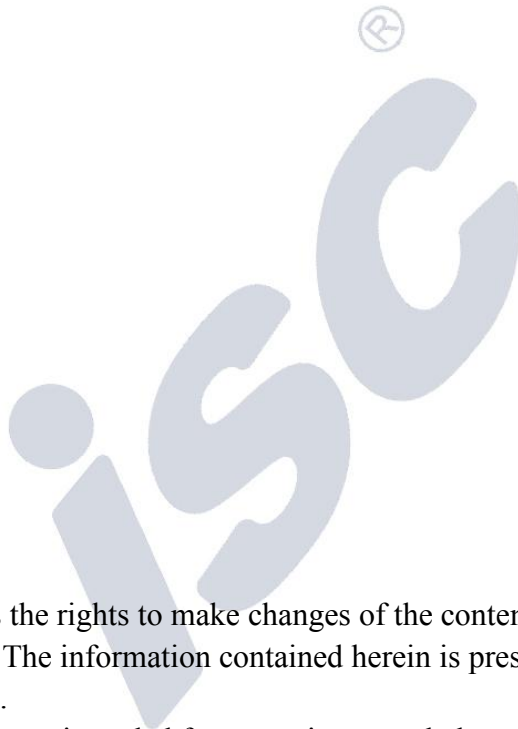
- Suitable for general purpose AC switching. They can be used as an ON/OFF function in applications such as static relays, heating regulation, Induction motor starting circuits.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

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 =95°C	40	A
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	400	A
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C
P _{G(AV)}	Average gate power dissipation(T _j =125°C)	1	W
R _{th(j-c)}	Thermal resistance, junction to case	0.9	°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 2.0	mA	
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} , V _D =V _{DRM} , T _j =125°C	0.01 2.0	mA	
I _{GT}	Gate trigger current	V _D =12V; R _L = 100 Ω	I	50	mA
			II	50	
			III	50	
			IV	100	
I _H	Holding current	I _{GT} = 0.5A, Gate Open	60	mA	
V _{GT}	Gate trigger voltage all quadrant	V _D =12V; R _L = 100 Ω	1.5	V	
V _{TM}	On-state voltage	I _{TM} = 82A	1.55	V	

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