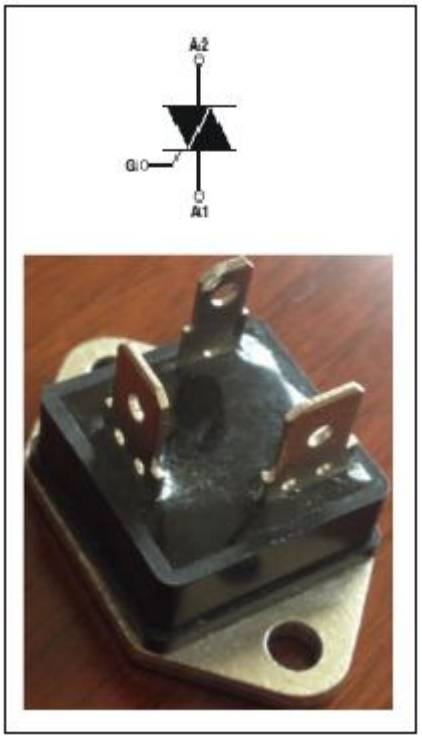
isc Triacs BTA40-600B

FEATURES

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



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

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℃	40	A
I_{TSM}	Non-repetitive peak on-state current t_p=20ms	400	A
T_j	Operating junction temperature	-40~125	℃
T_{stg}	Storage temperature	-40~150	℃
$P_{G(AV)}$	Average gate power dissipation(T_j=125℃)	1	W
$R_{th(j-c)}$	Thermal resistance, junction to case	0.9	℃/W

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM}, V_R=V_{RRM}, Tj=125℃	0.01 2.0	mA
I_{DRM}	Repetitive peak off-state current		V_D=V_{DRM}, V_D=V_{DRM}, Tj=125℃	0.01 2.0	mA
I_{GT}	Gate trigger current	I	V_D=12V; R_L= 100Ω	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= 100Ω	1.5	V
V_{TM}	On-state voltage		I_{TM}= 82A	1.55	V