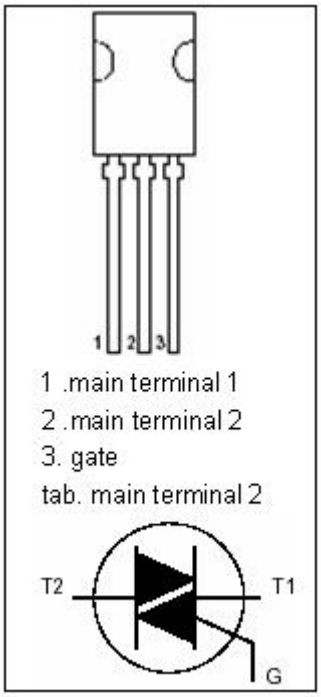
isc Triacs BT134-600E

FEATURES

- With TO-126P package
- Designed for use in general purpose bidirectional switching and phase control applications , which are intended to be interfaced directly to microcontrollers , logic integrated circuits and other low power gate trigger 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 off-state voltage	600	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)	4	A
I_{TSM}	Non-repetitive peak on-state current	25	A
P_{GM}	Peak gate power dissipation	5	W
$P_{G(AV)}$	Average gate power dissipation	0.5	W
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-45~150	℃

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, Tj=125℃		0.01 0.2	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{DRM}$, $V_D=V_{DRM}$, Tj=125℃		0.01 0.2	mA
I_{GT}	Gate trigger current	I	V_D=12V; I_T= 0.1A		10	mA
		II			10	
		III			10	
		IV			25	
V_{TM}	On-state voltage		I_T= 5A		1.7	V
I_H	Holding current		I_{GT}= 0.1A, V_D= 12V		15	mA
V_{GT}	Gate trigger voltage		V_D=12V; I_T= 0.1A		1.5	V

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