JST134H-600E 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST134H-600E is designed for
AC switching application and phase
control application.
Typical applications are motor
control, industrial and domestic
lighting, heating and static switching.
The device is available in TO-251 and
TO-252 package.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

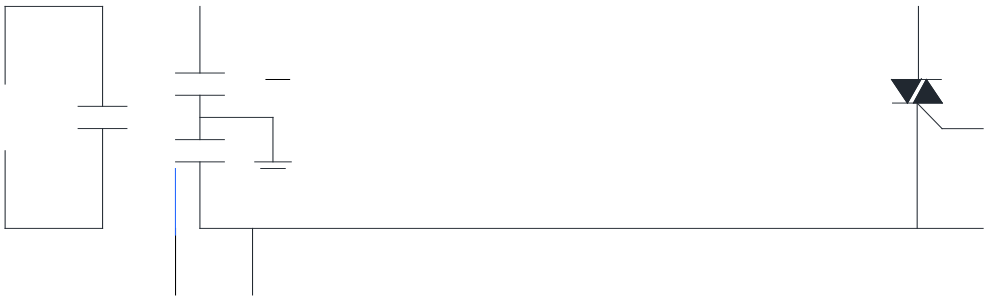
Parameter		Symbol	Value	Unit
Storage temperature range		T_{stg}	-40-150	
Operating junction temperature range		T_j	-40-125	
Repetitive peak off-state voltage (T$_j$=25)		V_{DRM}	600	V
Repetitive peak reverse voltage (T$_j$=25)		V_{RRM}	600	V
RMS on-state current (T$_C$ 84)		$I_{T(RMS)}$	4	A
Non repetitive surge peak on-state current (full cycle, t$_p$=20ms, T$_j$=25)		I_{TSM}	25	A
Non repetitive surge peak on-state current (full cycle, t$_p$=16.6ms, T$_j$=25)			27.5	
I^{2}t value for fusing (t$_p$=10ms, T$_j$=25)		I^{2}t	3.125	A^{2}s
Critical rate of rise of on-state current (I$_G$=2×I$_{GT}$, f=100Hz, T$_j$=125)	- -	dI/dt	80	A/μs
			50	
Peak gate current (t$_p$=20μs, T$_j$=125)		I_{GM}	2	A
Average gate power dissipation (T$_j$=125)		$P_{G(AV)}$	0.5	W
Peak gate power		P_{GM}	5	W
Insulation voltage (T$_j$=25 ; non-repetitive FIG. 7)		V_{ins}	4	kV

ELECTRICAL CHARACTERISTICS (T_j=25 [illegible])

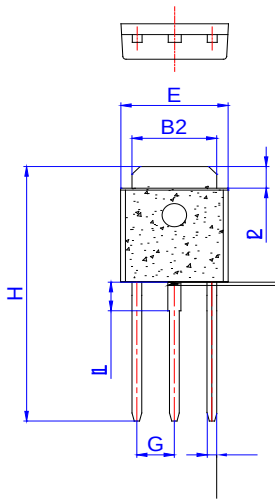
Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	10	mA

JST134H-600E

FIG.7 IEC -61000-4-5



PACKAGE MECHANICAL DATA



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