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
speed 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

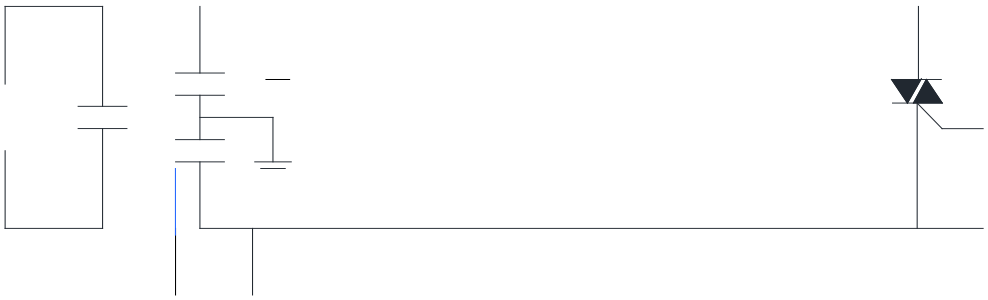
Parameter		Symbol	Value	Unit
Storage junction temperature range		T_{stg}	-40-150	
Operating junction temperature range		T_j	-40-125	
Repetitive peak off-state voltage (T j=25)		V_{DRM}	600	V
Repetitive peak reverse voltage (T j=25)		V_{RRM}	600	V
RMS on-state current (T C 84)		$I_{T(RMS)}$	4	A
Non repetitive 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	
I²t value for fusing (t p=10ms, T j=25)		I²t	3.125	A²s
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_{ISO}	4	kV

ELECTRICAL CHARACTERISTICS (T_j=25 [illegible])

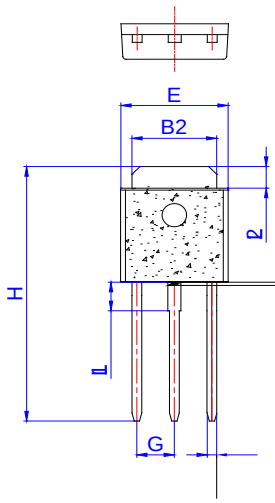
Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	10	mA

JST134H-600E

FIG.7 IEC -61000-4-5



PACKAGE MECHANICAL DATA



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