



JST134C-600E 4A TRIAC

Rev. A. 1.1

DESCRIPTION:

The JST134C-600E triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controller. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

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 ( $f=25$ )	$V_{DRM}$	600	V
Repetitive peak reverse voltage ( $f=25$ )	$V_{RRM}$	600	V
RMS on-state current ( $T=110$ )	$I_{T(RMS)}$	4	A
Non repetitive surge peak on-state current (full cycle, $t_p=20ms$ , $f=25$ )	$I_{TSM}$	25	A
Non repetitive surge peak on-state current (full cycle, $t_p=16.6ms$ , $f=25$ )		27.5	
$I^2t$ value for fusing ( $t=10ms$ , $T=25$ )	$I^2t$	3.125	$A^2s$
Critical rate of rise of on-state current ( $I_G=2 \times I_{GT}$ , $f=100Hz$ , $T=125$ )		70	A/s
		40	

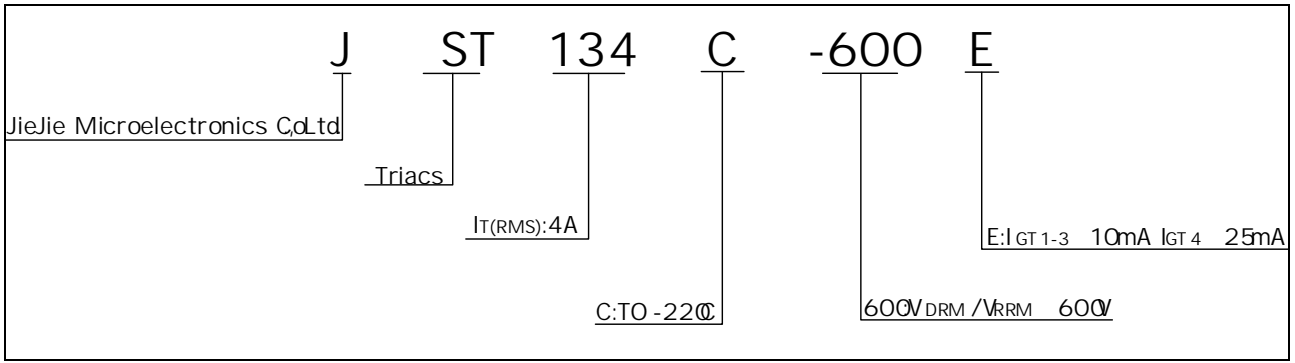
ELECTRICAL CHARACTERISTICS (T<sub>C</sub>=25 unless otherwise specified)

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Symbol	Test Condition	Quadrant	Value	Unit	jwd
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ORDERING INFORMATION



MARKING

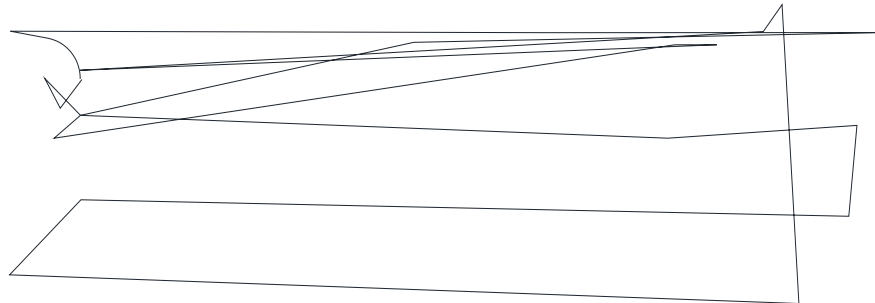


FIG.1 : Maximum power dissipation versus RMS on-state current

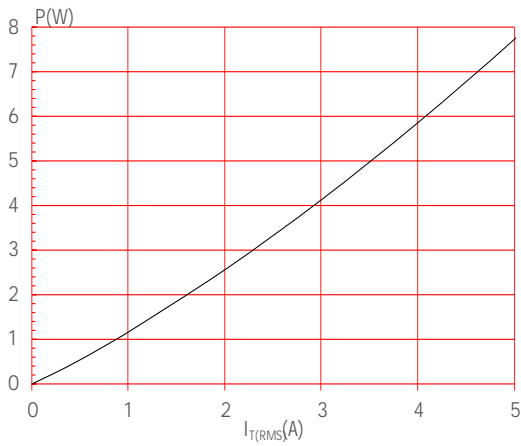


FIG.3: Surge peak onstate current versus number of cycles

FIG.2: RMS on-state current versus case temperature

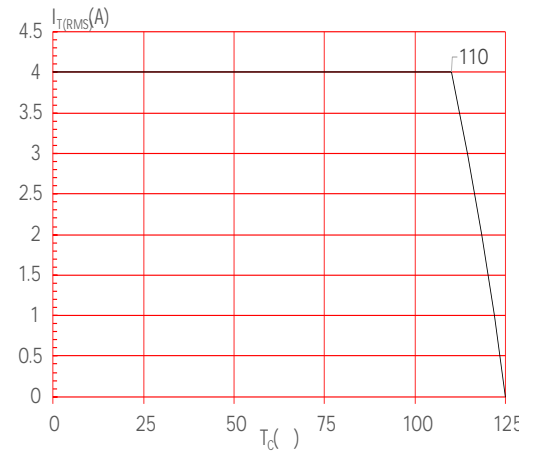


FIG.4: On-state characteristics



## ORDERING INFORMATION


Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT (mA)		Package	Base qty. (pcs)	Delivery mode
		-	-			
JST134C-600E	600	10	25	TO-220		

PACKAGE MECHANICAL DATA



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