



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

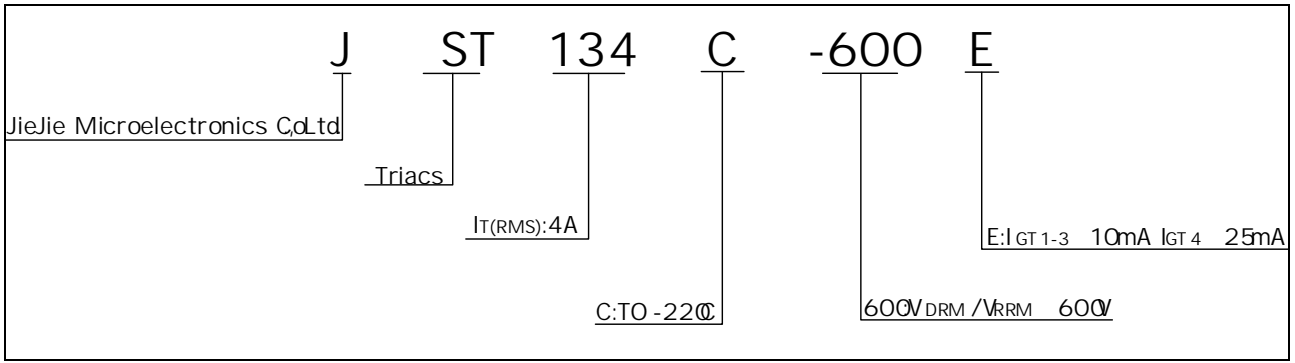
ABSOLUTE MAXIMUM RATINGS

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 ($I_G=2 \times I_{GT}$, $f=100Hz$, $T=125$)	-	-	-	
				di/dt
			40	

ELECTRICAL CHARACTERISTICS (T_C=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit	jwd
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ORDERING INFORMATION



MARKING

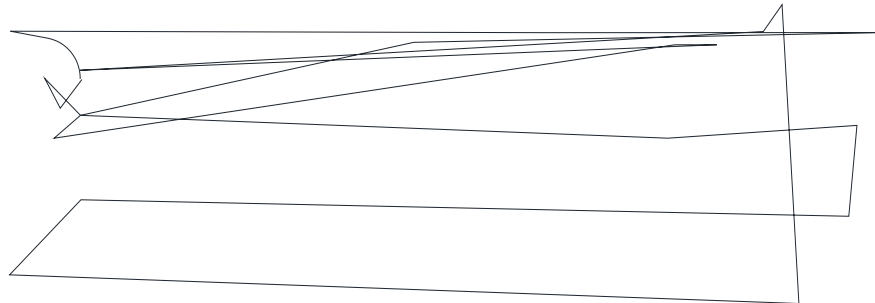


FIG.1 : Maximum power dissipation versus RMS on-state current

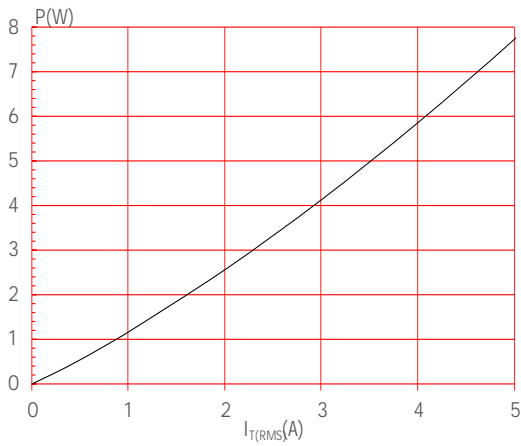


FIG.3: Surge peak onstate current versus number of cycles

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

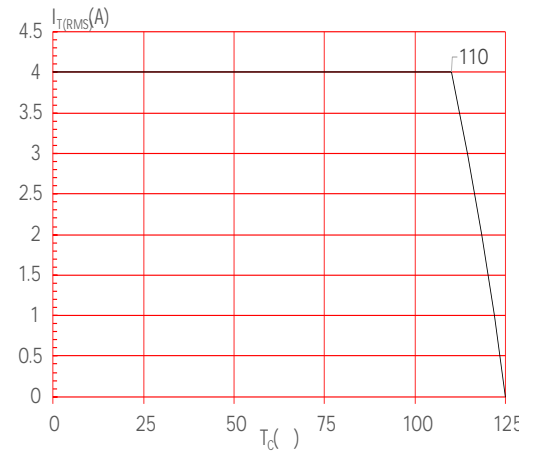


FIG.4: On-state characteristics

ORDERING INFORMATION


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

PACKAGE MECHANICAL DATA



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