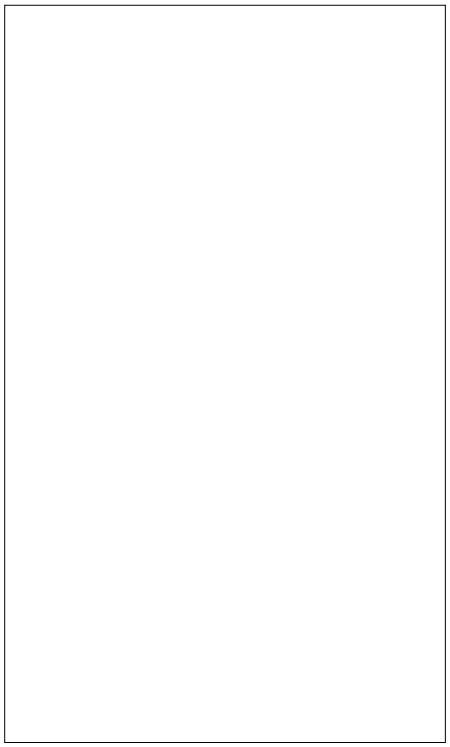
ACJT610-8K 6A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT610-8K 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 controllers. The ACJT610-8K embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package TO-252 is RoHS compliant.



ORDERING INFORMATION

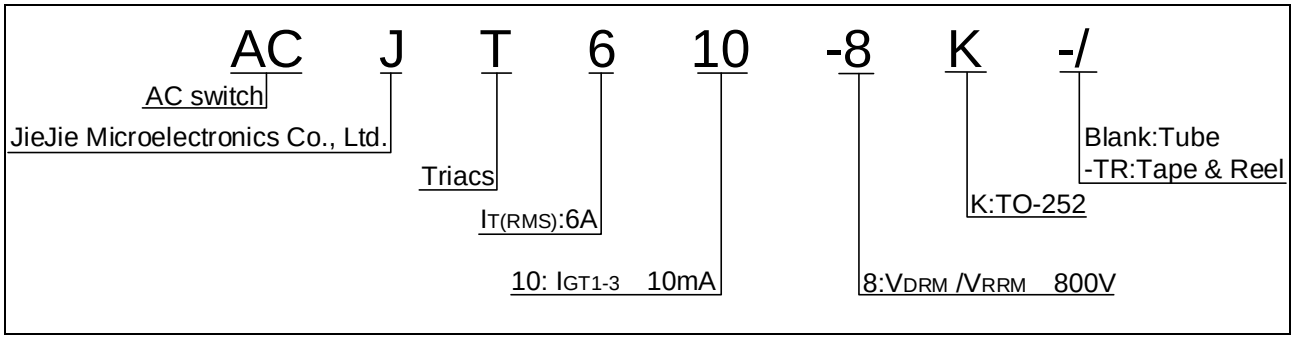


FIG.1: Maximum power dissipation versus RMS on-state current

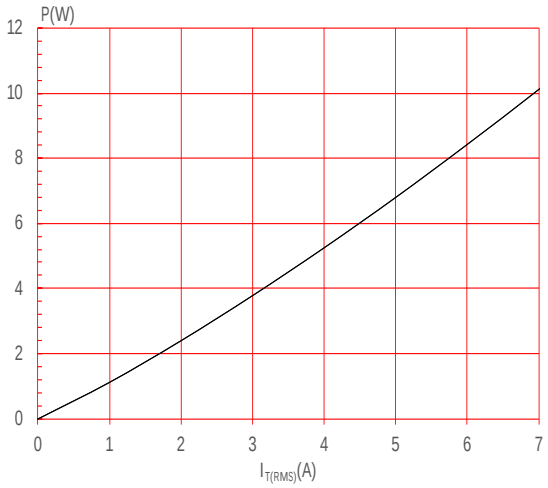


FIG.2: RMS on-state current versus case temperature

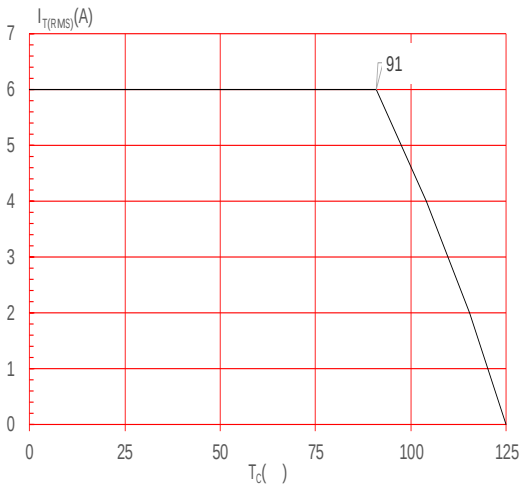


FIG.3: RMS on-state current versus ambient temperature (printed circuit board FR4,copper thickness:35εm)(full cycle)

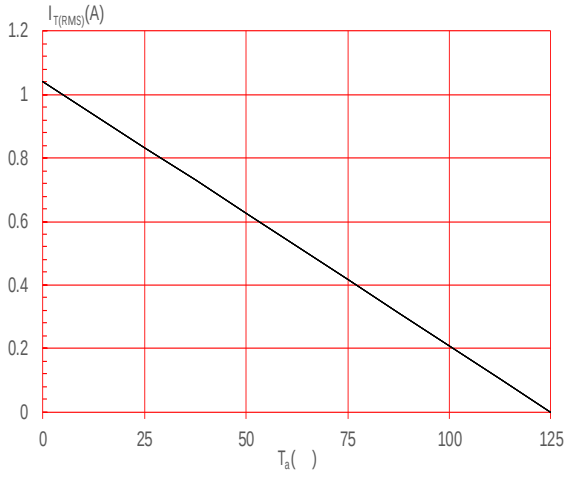


FIG.4: Surge peak on-state current versus number of cycles



FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

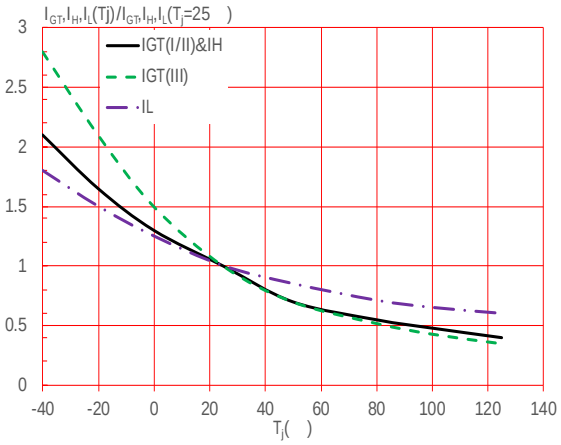
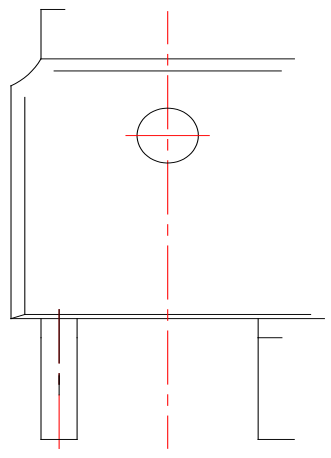


FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Typ.	Millimeters Typ.AA2B		Inches		
		C				
		DE				
		GG1L00.66				
		0.400.150.86				
		0.6000.026				
		0.0160.0060.034				
		0.024				
0.44		0.58	0.017		0.023	

5.90 6.30L20.232 0.248

6.80 0.252 6.40 0.268

4.47 4.67 0.176 0.184

2.180.086 0.094

1.09 1.21 0.043 0.048

1.35B2 5.18 5.48 0.053 0.205C2

[redacted]