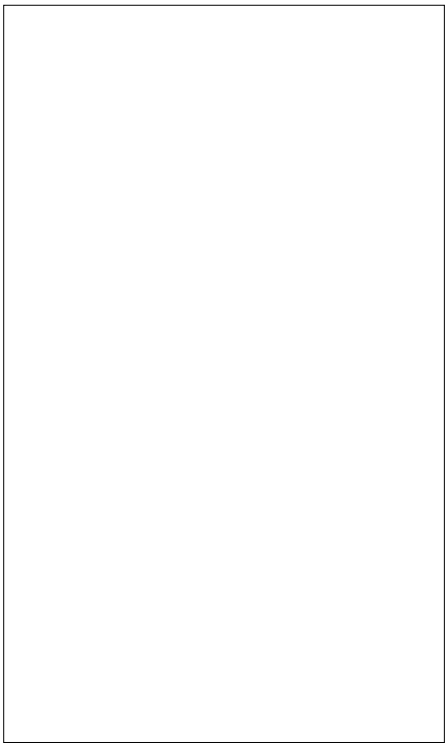
ACJT210-8W 2A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT210-8W 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 ACJT210-8W embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package SOT-223-2L is RoHS compliant.



MAIN FEATURES

[redacted]

	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}	800	V
[redacted]	V_{RRM}4	8008	V 1
	$I_{T(RMS)}$	2	A

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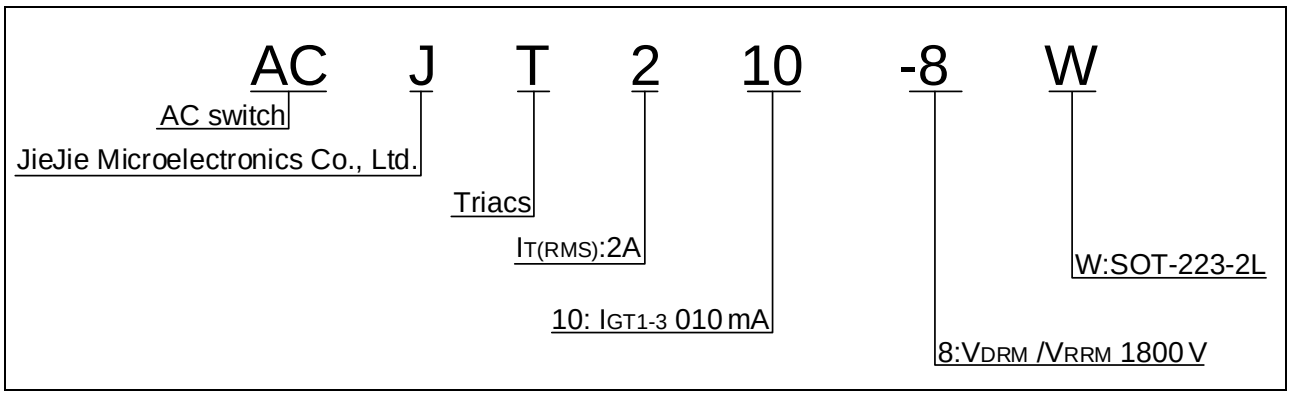
ORDERING INFORMATION



MARKING

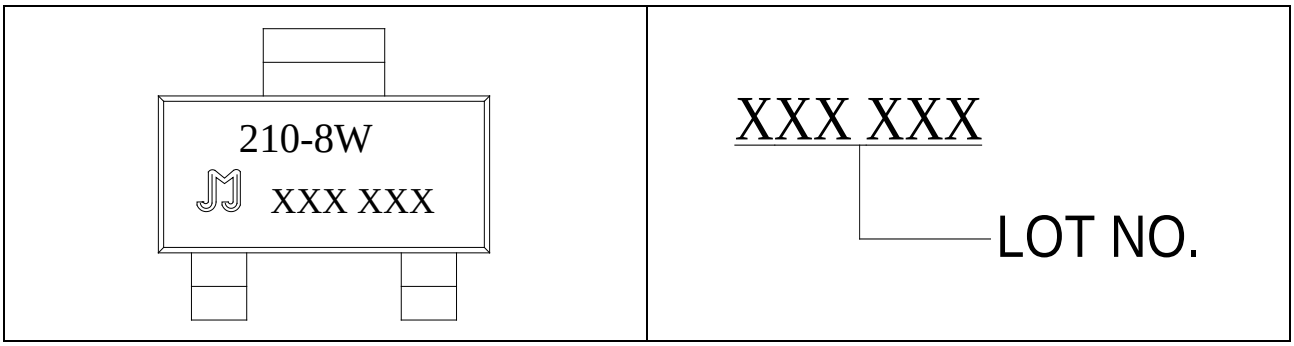


FIG.1: Maximum power dissipation versus RMS on-state current

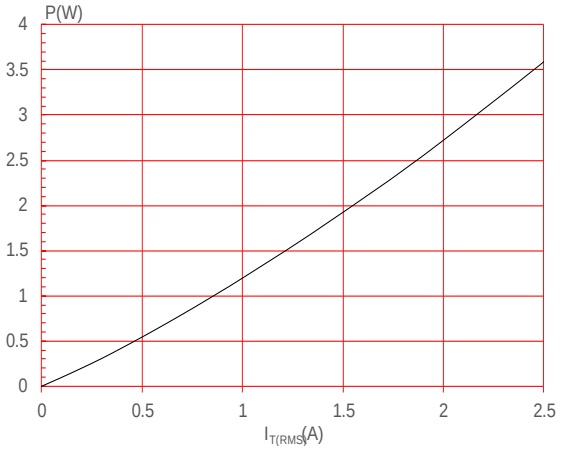


FIG.2: RMS on-state current versus case temperature

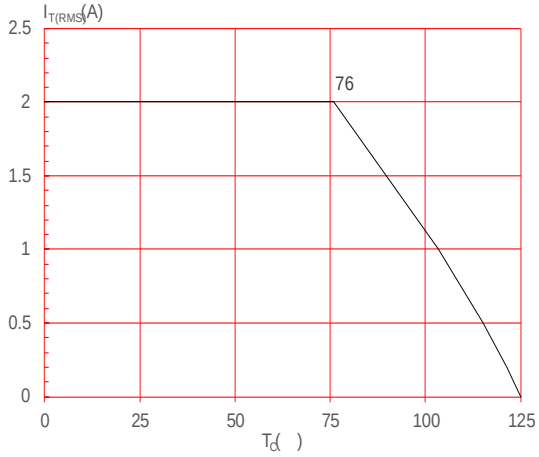


FIG.3: RMS on-state current versus ambient

p (er)4.5 ( )]TJ /C2T3 1 Tf -0.011 Tc 01105 Tw 0 -17789 TD<0.0728> ²€ & (b€

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

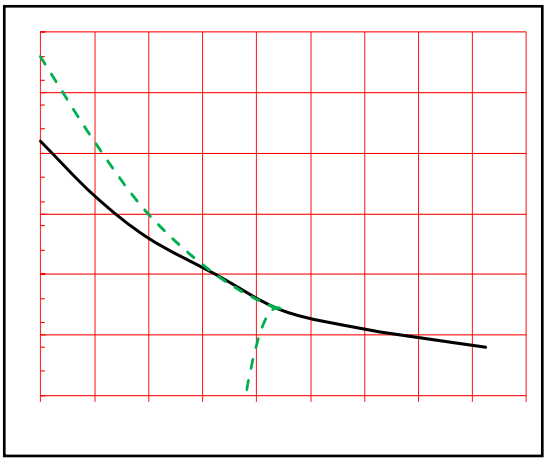
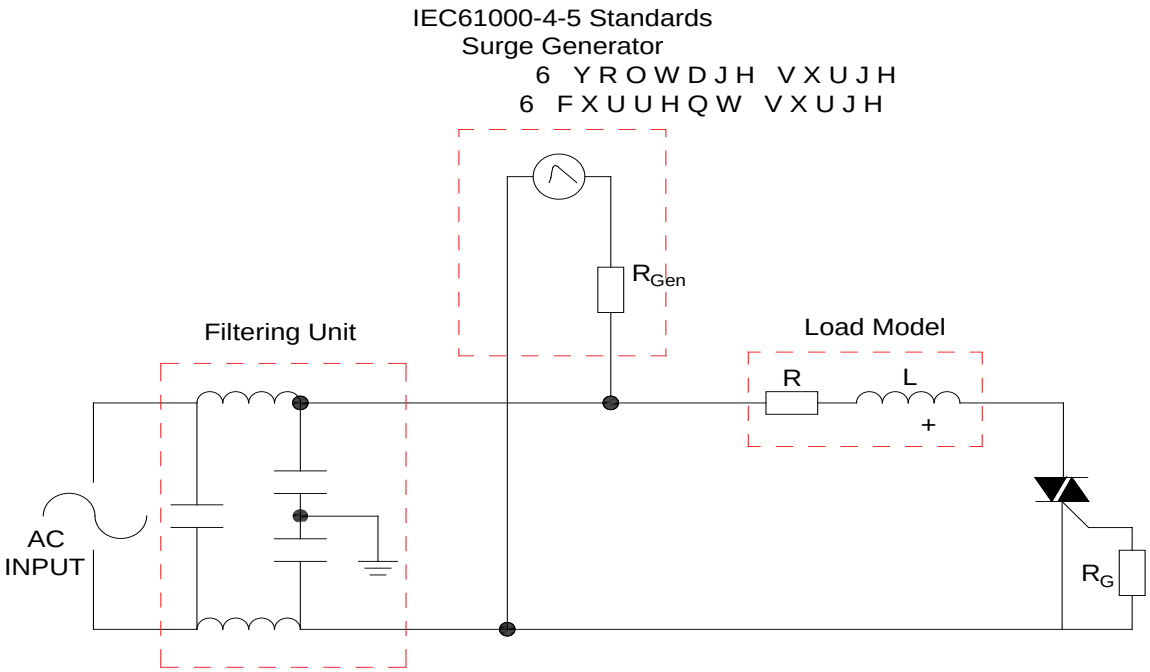


FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



ACJT210-8W

PACKAGE MECHANICAL DATA