

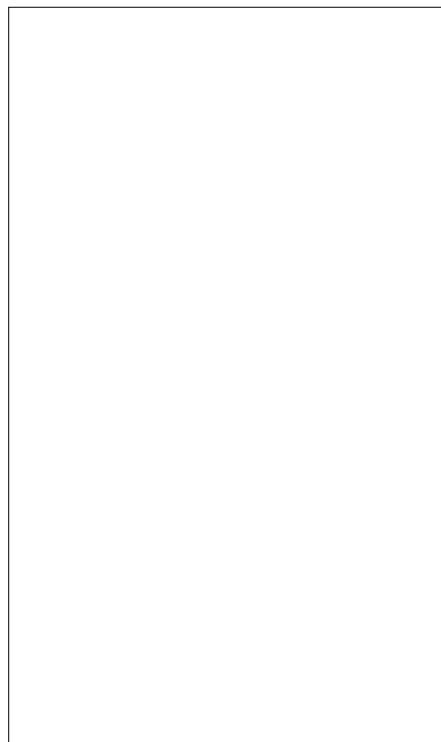


ACJT210-8W 2A TRIAC

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

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 ($T_j=25^\circ\text{C}$)	V_{DRM}	800	V
Repetitive peak reverse voltage ($T_j=25^\circ\text{C}$)	V_{RRM}	800	V
RMS on-state current ($T_c 076^\circ\text{C}$)	$I_{T(RMS)}$	2	A

ORDERING INFORMATION

<u>AC</u>	<u>J</u>	<u>T</u>	<u>2</u>	<u>10</u>	<u>-8</u>	<u>W</u>
AC switch		Triacs				
JieJie Microelectronics Co., Ltd.		$I_{T(RMS)}:2A$				W:SOT-223-2L
		10: $I_{GT1-3} 010mA$				8: $V_{DRM} / V_{RRM} 1800V$

MARKING

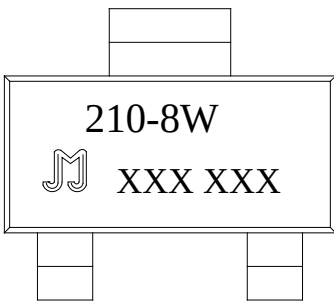
	<u>XXX XXX</u> LOT NO.
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FIG.1: Maximum power dissipation versus RMS on-state current

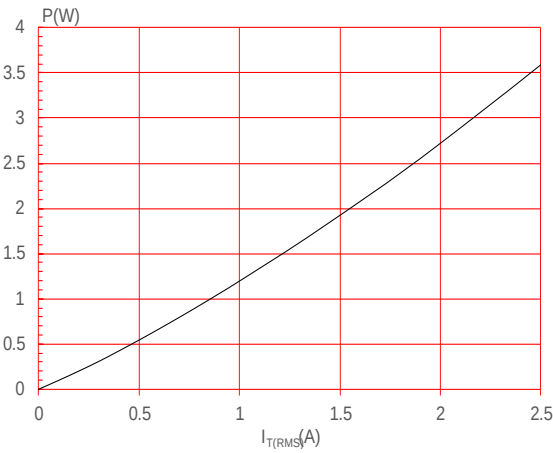


FIG.2: RMS on-state current versus case temperature

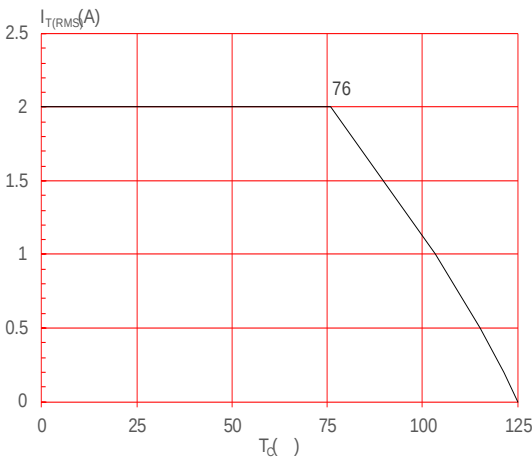


FIG.3: RMS on-state current versus ambient

$p(er)4.5 ()JTJ /C2T3 1 Tf -0.011 Tc 01105 Tw 0 -17789 TD<0.0728> ^2\epsilon \& (b\epsilon$

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

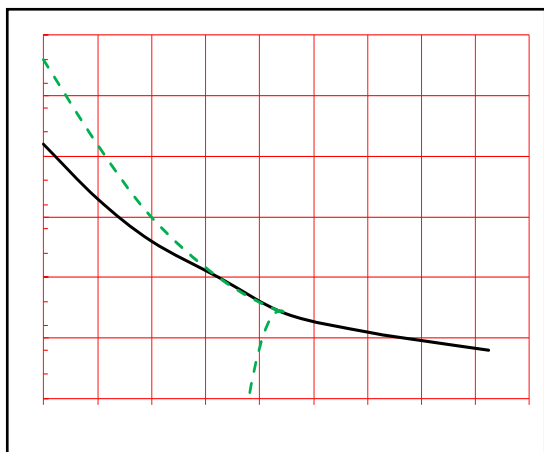
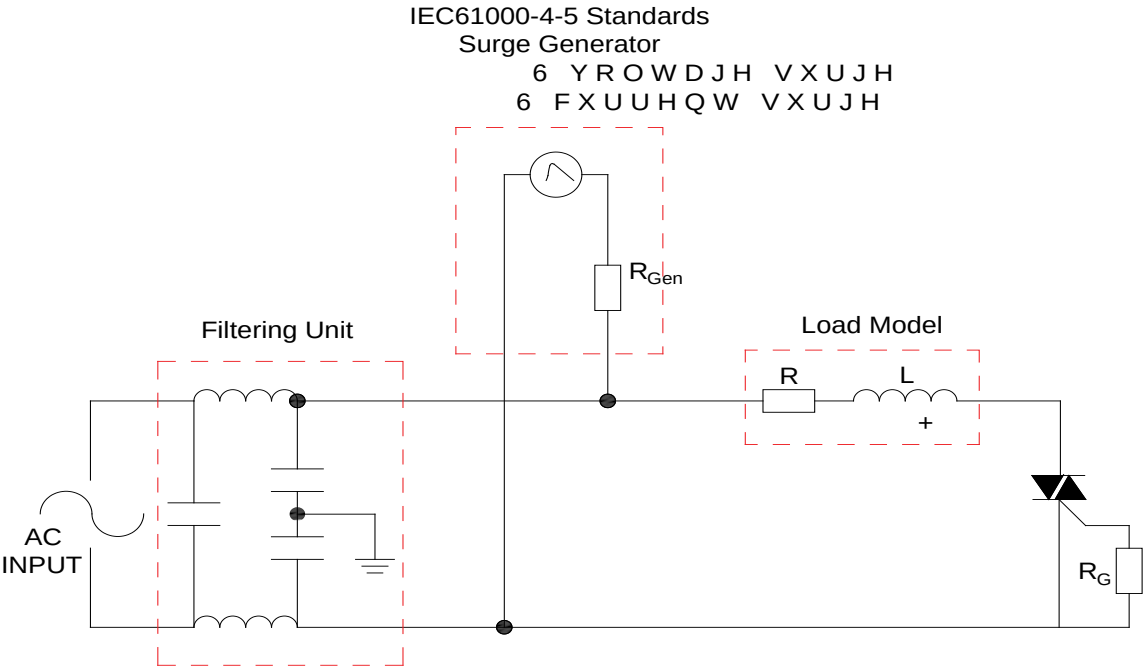


FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



PACKAGE MECHANICAL DATA

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