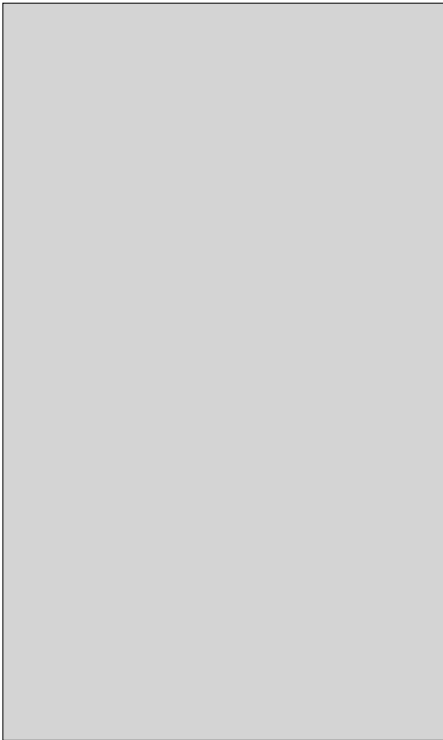




DESCRIPTION:

The ACJT210-8U 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 ACJT210-8U embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package TO-92 is RoHS compliant.



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

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	$I_{T(RMS)}$	2	A
Non repetitive surge peak on-state current ($t_{surge}=20\text{ms}$, $T_j=25^\circ\text{C}$)	I_{TSM}	25	A



Peak pulse voltage
($T_j=25$; non-repetitive,off-state;FIG.7)

V_{pp}

4.5

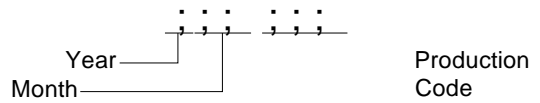
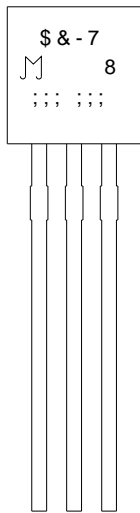
kV



ORDERING INFORMATION

AC AC switch	J	T Triacs	2 IT(RMS):2A	10 10: IGT1-3 0.10mA	-8 8:VDRM /VRRM 1800V	U U:TO-92	-/ Blank: Bulk Pack -TR: Tape & Reel
JieJie Microelectronics Co., Ltd.							

MARKING





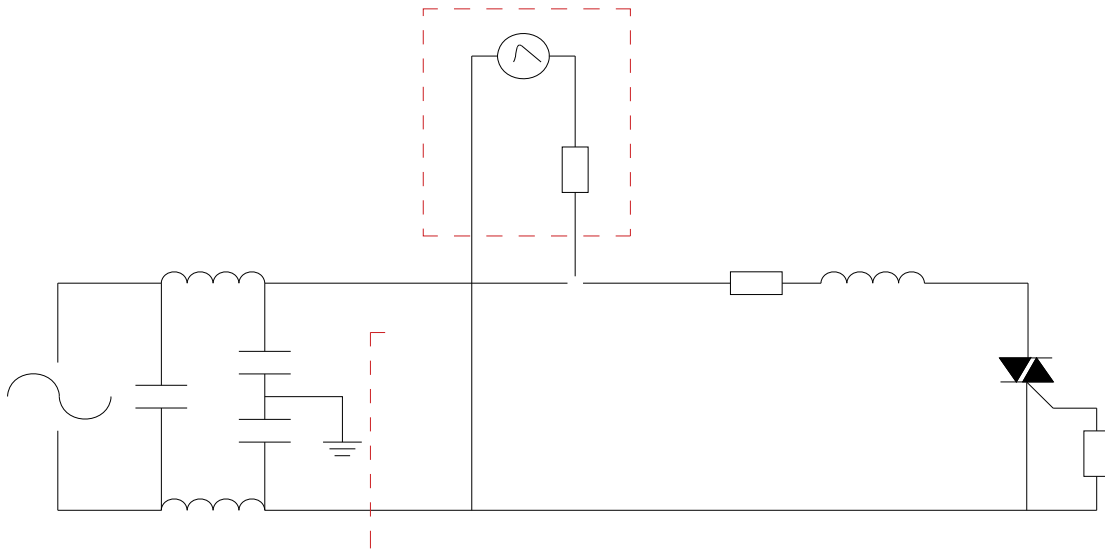
Maximum power dissipation versus RMS
on-state current

RMS on-state current versus case
temperature





FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards





ORDERING INFORMATION

Date	Revision	Changes
Apr.14, 2023	A.1.0	Last updated
Mar.27, 2025	A.2.0	Renew PACKAGE MECHANICAL DATA
Sept.28, 2025	A.2.1	Revise PACKAGE MECHANICAL DATA



Information furnished in thisA

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