

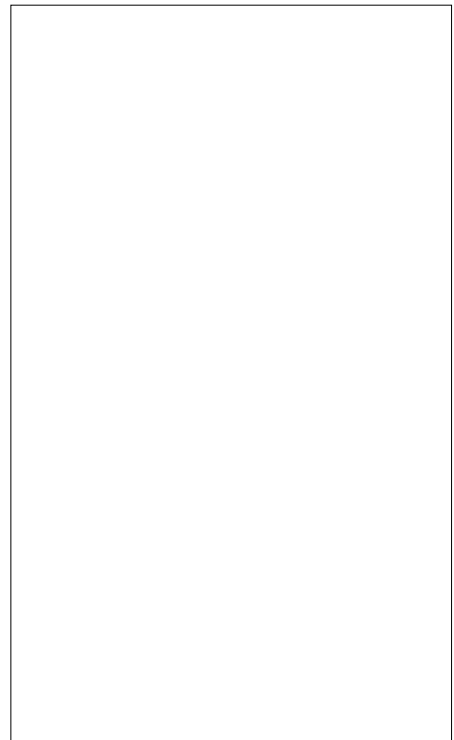


ACJT210-8U 2A TRIAC

Rev.A.2.1

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

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

Peak pulse voltage (T _j =25 ; non-repetitive,off-state;FIG.7)	V _{pp}	4.5	kV
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ORDERING INFORMATION

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

MARKING

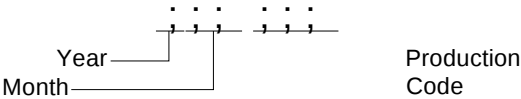
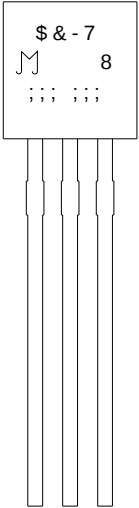


FIG.1: Maximum power dissipation versus RMS on-state current

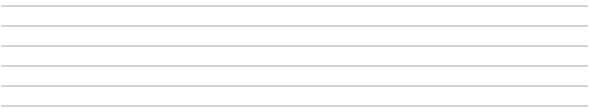
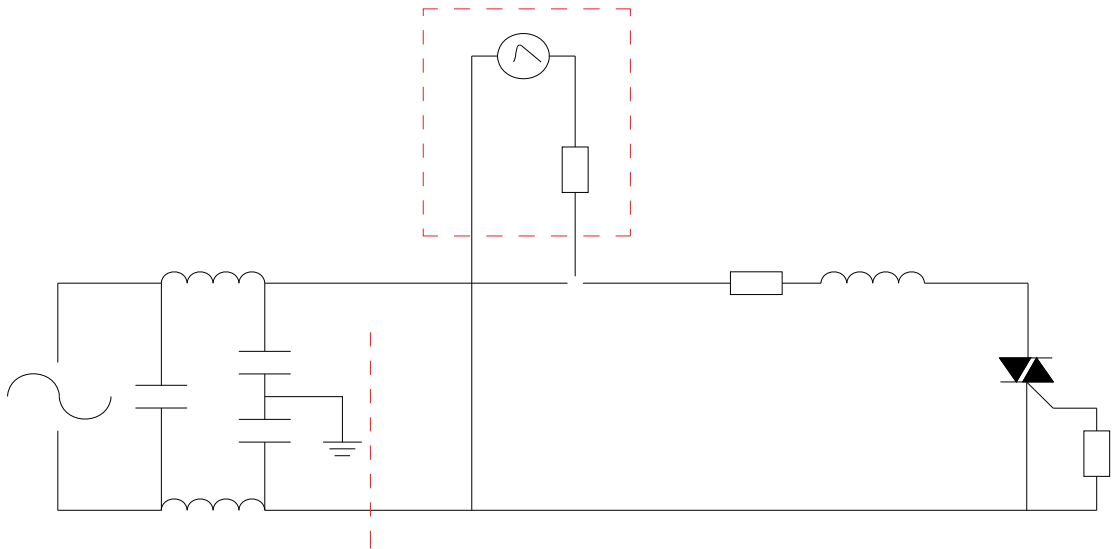


FIG.2: RMS on-state current versus case temperature

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



ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT210-8U	800	10	TO-92	1,000	Bulk Pack
ACJT210-8U-TR				2,000	Tape & Reel

Document Revision History

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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