

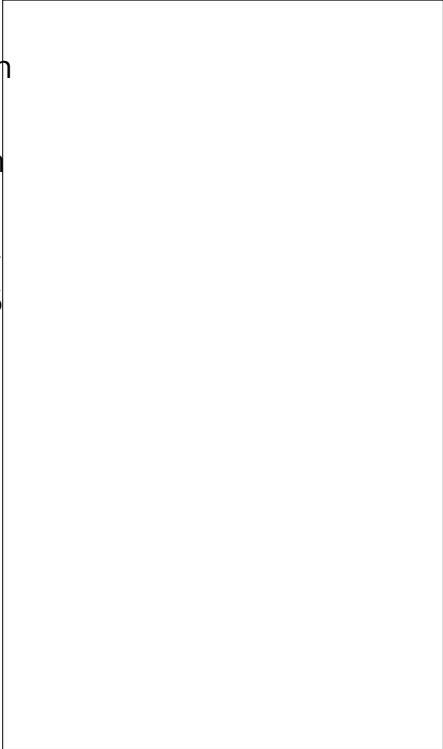


## ACJT210-6K 2A TRIAC

Rev.A.1.1

### DESCRIPTION:

The ACJT210-6K 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 ACJT210-6K embeds a TVS structure to absorb the inductive turn-energy such as those described in the IEC 61000-4-5 standards. Package TO-252 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 ( $f=25$ )	$V_{DRM}$	600	V
Repetitive peak reverse voltage ( $f=25$ )	$V_{RRM}$	600	V
RMS on-state current ( $T=107$ )	$I_{T(RMS)}$	2	A

Non repetitive surge peak on-state current (full cycle,  $t_p \leq 20ms$ ,  $T_j$ )



**ACJT210-6K**

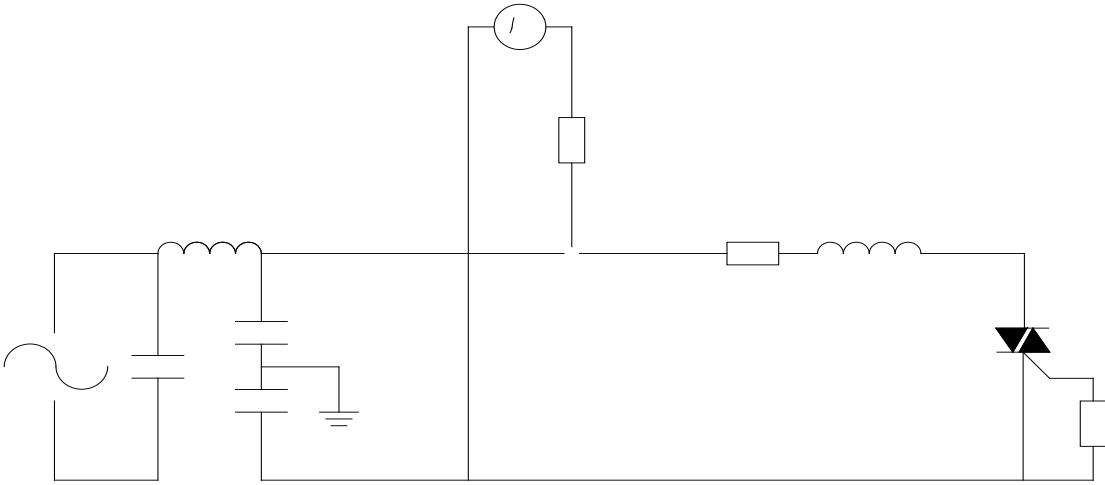
**FIG.1:** Maximum power dissipation versus RMS on-state current

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

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

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

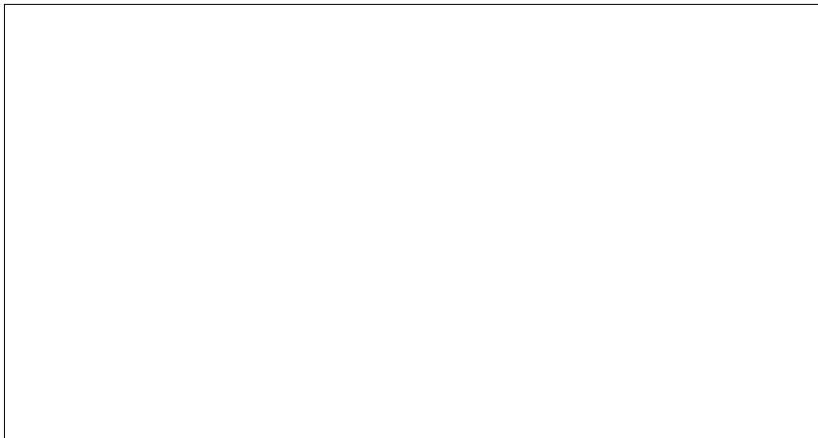


ORDER INFORMATION

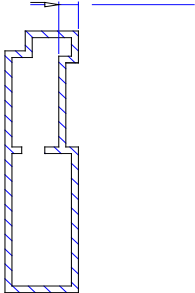
Order code	Voltage $V_{DRM}/V_{RRM}8.32\ 12\ re\ f^*\ BT\ 0\ M$
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## PACKAGE MECHANICAL DATA

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A						
A2						
B						
C						
D						
E						
G99	-3.4	A2	in	in	in	in




DELIVER MODE



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