

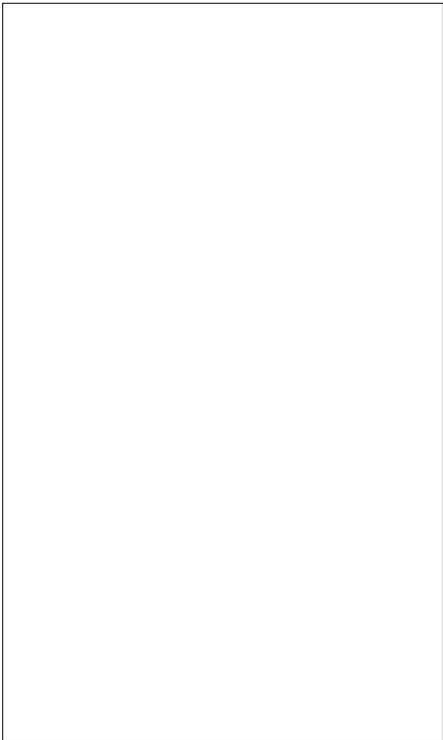


ACJP0410-8K 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJP0410-8K 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 ACJP0410-8K embeds a TVS structure to absorb the inductive turn-off 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	-40-150	
Repetitive peak off-state voltage (T _j =25)	V _{DRM}	800	V
Repetitive peak reverse voltage (T _j =25)	V _{RPM}	800	V
RMS on-state current (T _c 129)	I _{T(RMS)}	4	A
Non repetitive surge peak on-state current (full cycle , t _p =20ms , T _j =25)	I _{TSM}	40	A
Non repetitive surge peak on-state current (full cycle , t _p =16.6ms , T _j =25)		44	
I ² t value for fusing (t _p =10ms , T _j =25)	I ² t	8	A ² s

Critical rate of rise of on-state current (I_G=2 I_{GT})

ACJP0410-8K

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

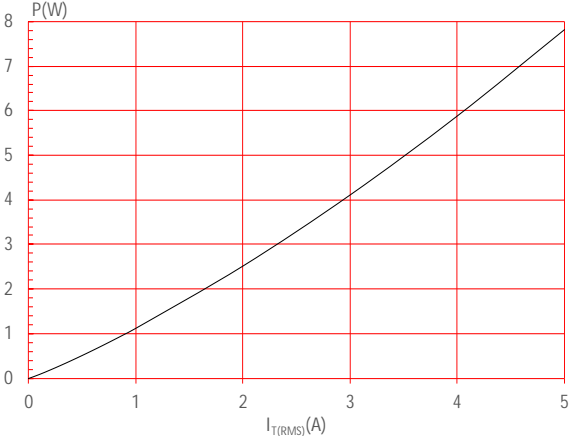


FIG.2: RMS on-state current versus case temperature

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

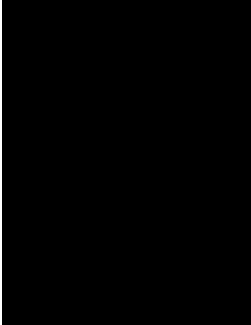


FIG.8

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJP0410-8K	800	10	TO-252	80	Tube
				2,500	Tape & Reel

Document Revision History

Date	Revision	Changes
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PACKAGE MECHANICAL DATA

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.10		2.50	0.083		0.098
A2	0		0.15	0		0.006
B	0.66		0.86	0.026		0.034
B2	5.18		5.48	0.202		0.216
C	0.40		0.60	0.016		0.024
C2	0.44		0.58	0.017		0.023
D	5.90		6.30	0.232		0.248
E	6.40		6.80	0.252		0.268
G	4.47		4.67	0.176		0.184
G1	2.18		2.38	0.086		0.094
L	1.09		1.21	0.043		0.048
L2	1.35		1.65	0.053		0.065



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