ACJP1225-8K 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJP1225-8K 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 ACJP1225-8K embeds a TVS structure to absorb the inductive turn-off energy and withstand line transients such as those described in the IEC 61000-4-5 standards. Package TO-252 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

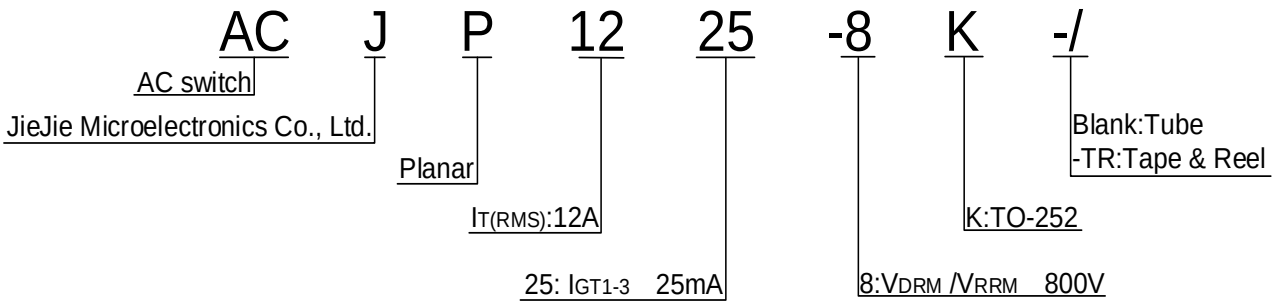
Parameter	Symbol	Value	Unit
Storage j-20uncstion(t)2 (e)10 (m)-3 pnertur( )raagt			

ert(g)]TJ 0 Tc 0 Tw j-20uauctitem72 p(er)7 a(t)2 (ur1)7 ((r5)696 (aag)10 (t)]TJ 0 Tc 0 Tw 1.94 0 T

Peak gate power	P_{GM}	10	W

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

ORDERING INFORMATION



MARKING

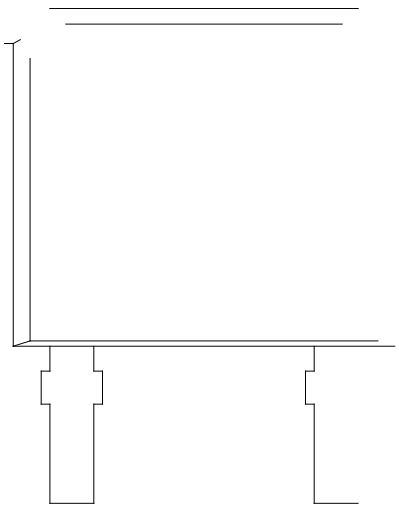


FIG.1: Maximum power dissipation versus RMS on-state current

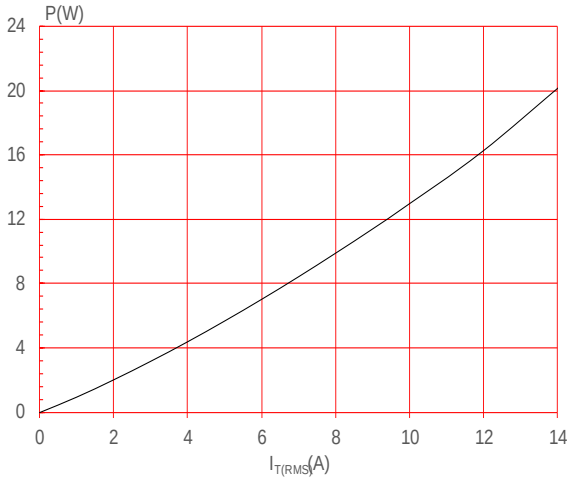
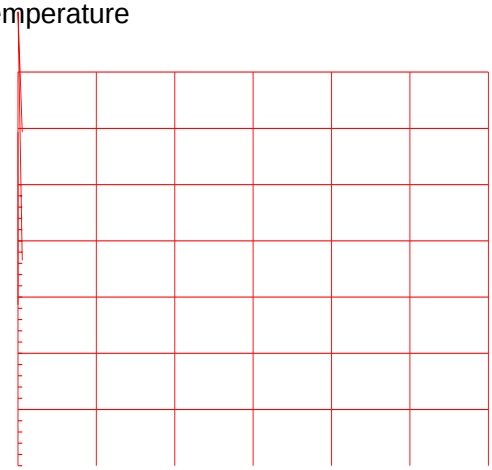


FIG.2: RMS on-state current versus case temperature



ACJP1225-8K

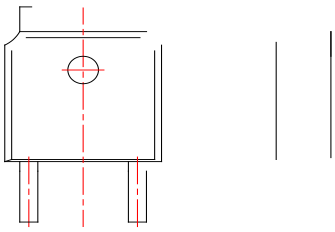
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJP1225-8K	800	25	TO-252	80	Tube
ACJP1225-8K-TR				2,500	Tape & Reel

Document Revision History

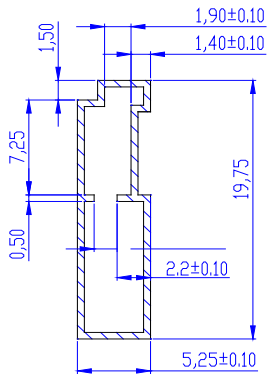
Date	Revision	Changes
Jun.27, 2025	A.1.0	Last updated
Oct.22, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

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
D1						
E	6.40		6.80	0.252		0.268
E1	4.63			0.182		
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

DELIVERY MODE



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