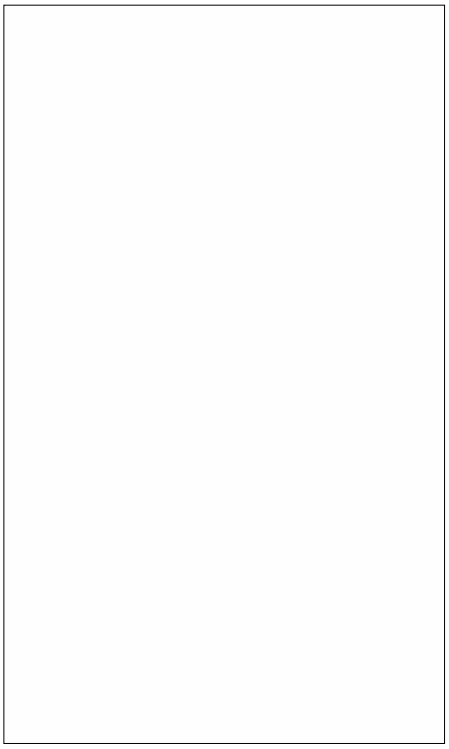
ACJT08H-800CW 8A TRIAC

Rev.A.1.1

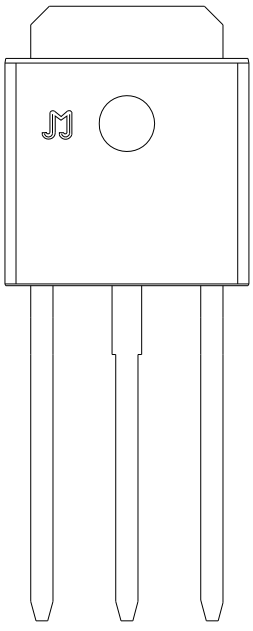
The ACJT08H-800CW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. The ACJT08H-800CW embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package TO-251 is RoHS compliant.



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)	V_{DRM}	800	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	800	V
RMS on-state current ($T_C \leq 92$)	I		

AC J T 08 H -800 CW

- AC: AC switch
- J: JieJie Microelectronics Co., Ltd.
- T: Triacs
- 08: $I_{T(RMS)}$:8A
- H: H:TO-251
- -800: 800:V_{DRM} /V_{RRM} ≥ 800V
- CW: CW: I_{GT1-3} ≤ 35mA



Year
Month
Production Code

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

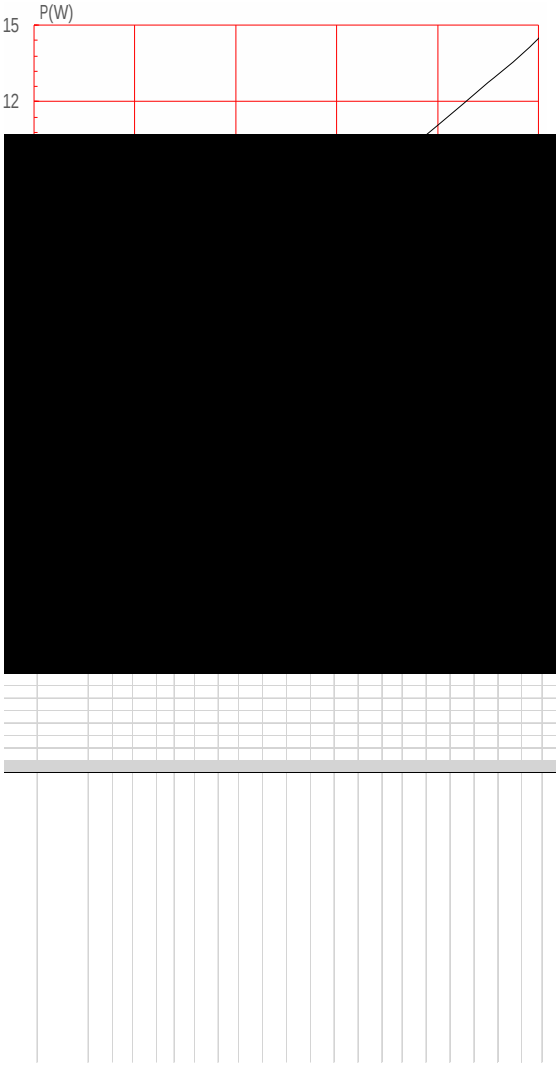


FIG.2: RMS on-state current versus case temperature

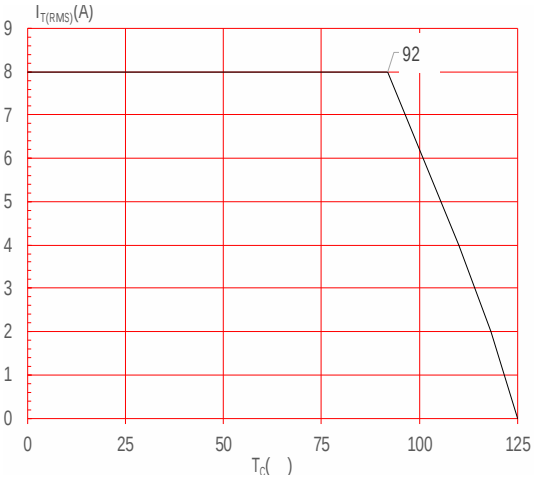
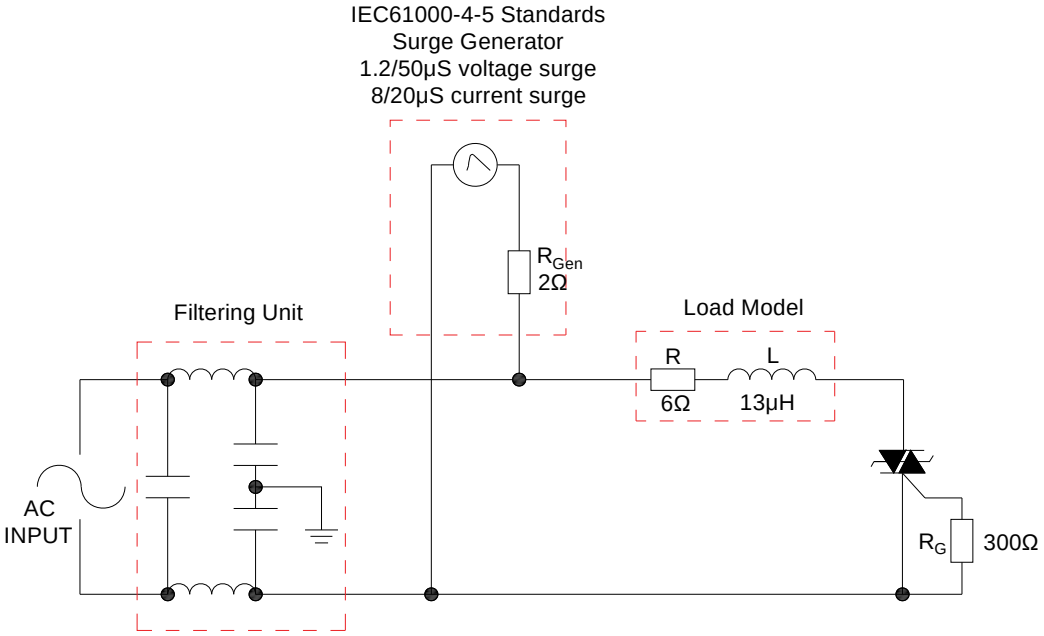
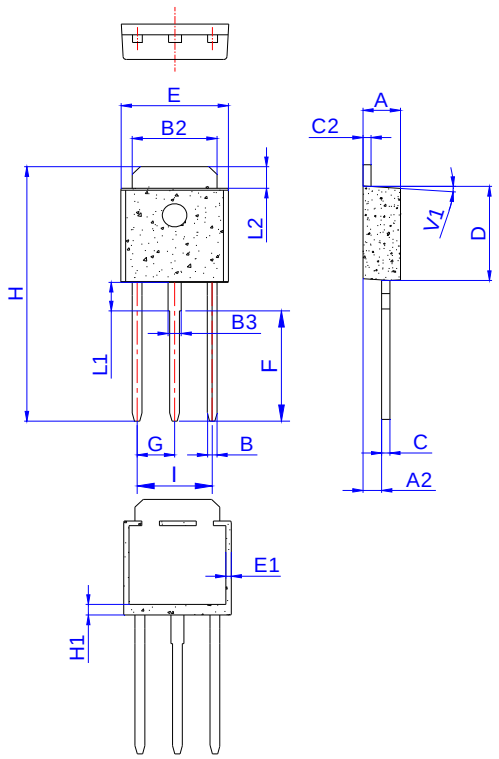


FIG.4: On-state characteristics

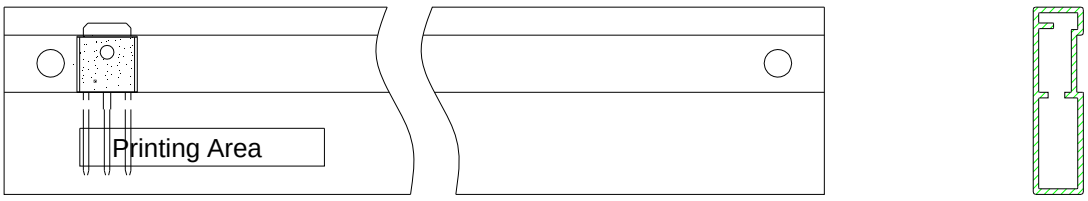
FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



Refer to the application note “Assembly Instructions for Thyristors in Through-hole Package” released by JieJie Microelectronics



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.20		2.40	0.086		0.095
A2	1.00		1.30	0.039		0.051
B	0.50		0.70	0.020		0.028
B2	5.10		5.40	0.200		0.213
B3	0.70		1.00	0.028		0.039
C	0.45		0.62	0.018		0.024
C2	0.48		0.62	0.019		0.024
D	6.00		6.20	0.236		0.244
E	6.40		6.70	0.252		0.264
E1	0.60		1.00	0.024		0.039
F	6.90		7.30	0.272		0.287
G	2.20		2.40	0.087		0.094
H	16.00		17.00	0.630		0.669
H1	1.45		1.85	0.057		0.073
I	4.40		4.80	0.173		0.189
L1	1.80		2.20	0.071		0.087
L2	1.25		1.55	0.049		0.061
V1		4°			4°	



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