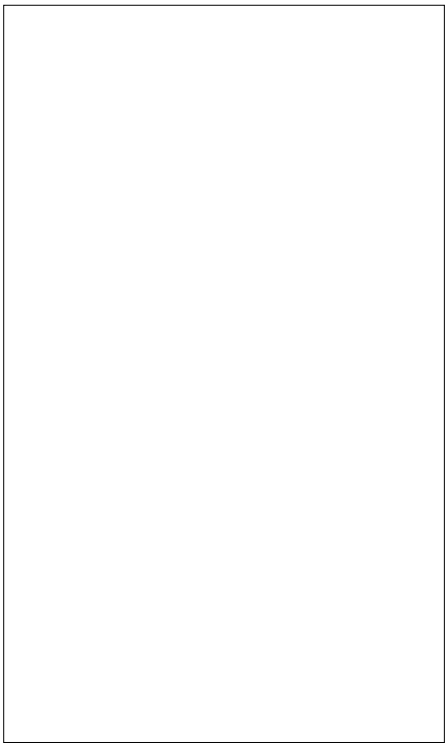
ACJT625-8C 6A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT625-8C 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 ACJT625-8C embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package TO-220C 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)

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	3.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

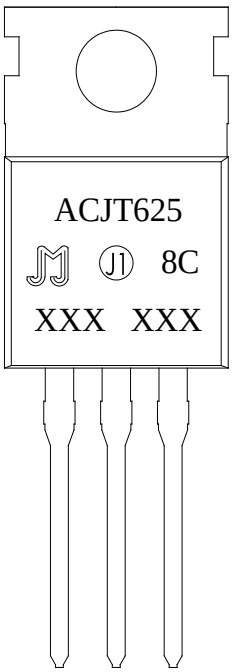
Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	25	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3kΩ	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	40	mA
				60	
I_H	I_T =100mA		MAX.	40	mA
dV/dt	V_D=540V Gate OpeD				

ORDERING INFORMATION

AC J T 6 25 -8 C

- AC: AC switch
- J: JieJie Microelectronics Co., Ltd.
- T: Triacs
- 6: $I_{T(RMS)}$:6A
- 25: I_{GT1-3} 25mA
- -8: V_{DRM} /V_{RRM} 800V
- C: C:TO-220C

MARKING



XXX XXX

- XXX: Year / Month
- XXX: Production Code

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

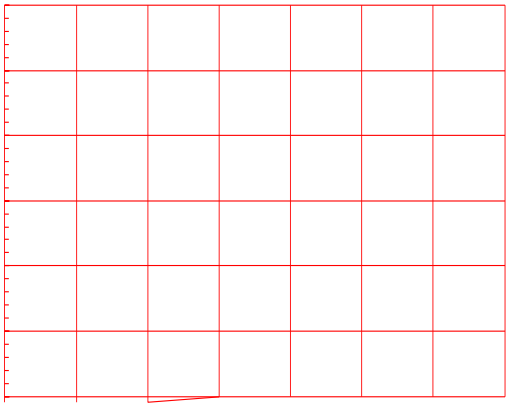


FIG.2: RMS on-state current versus case temperature

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

ORDERING INFORMTON

Order coe	

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