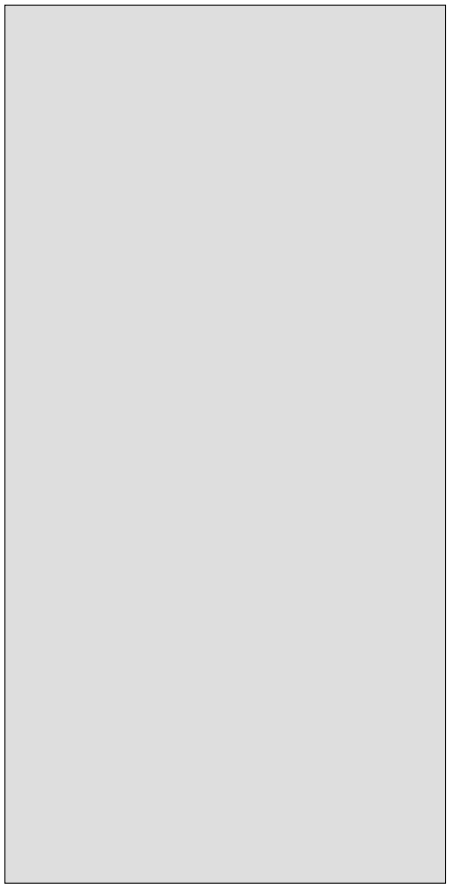
C 835 8 8 R C

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DESCRIPTION:

The ACJT835-8FP 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 ACJT835-8FP embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. By using an external plastic package, ACJT835-8FP provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.



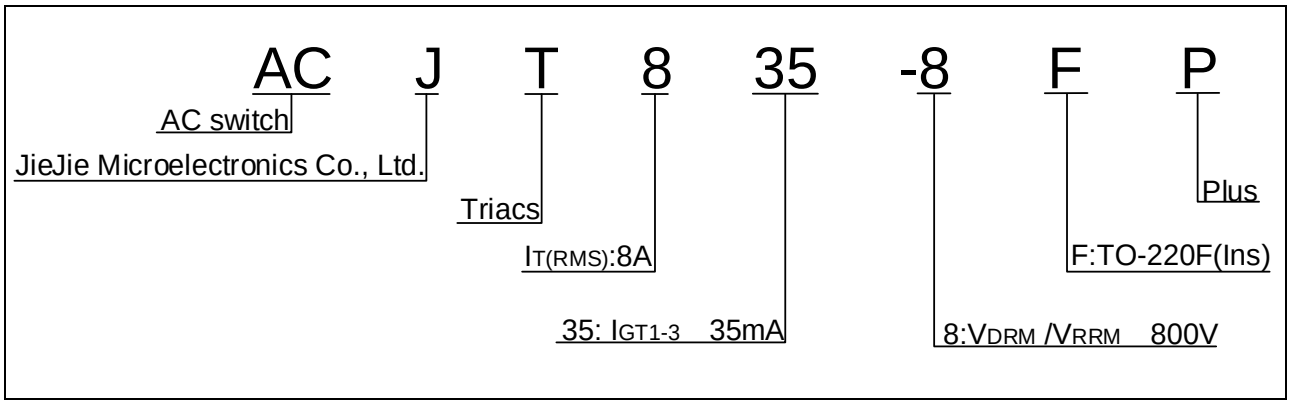
MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	8	A
V_{DRM}/V_{RRM}	800	V
I_{GT}		

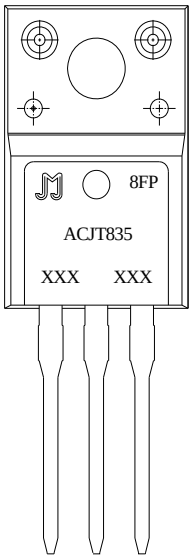
ABSOLUTE MAXIMUM RATINGS

a ame e	oS m	a e	n
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 98)	$I_{T(RMS)}$	8	A
Non repetitive surge peak on-state current (full cycle , t_p=20ms , T_j=25)	I_{TSM}	100	A
Non repetitive surge peak on-state current (full cycle , t_p=16.6ms , T_j=25)		110	
I^2t value for fusing (t_p=10ms , T_j=25)	I^2t	50	A^2s

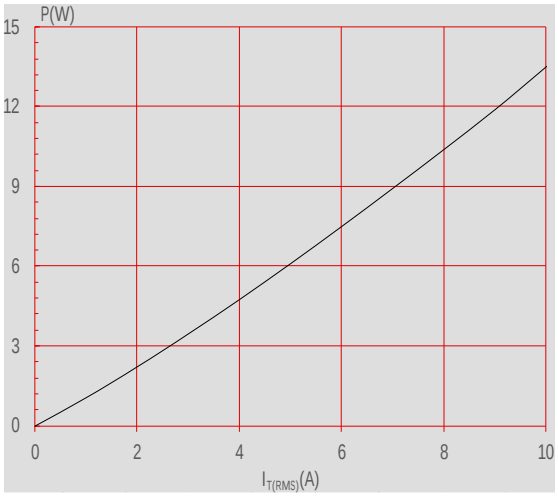
ORDERING INFORMATION



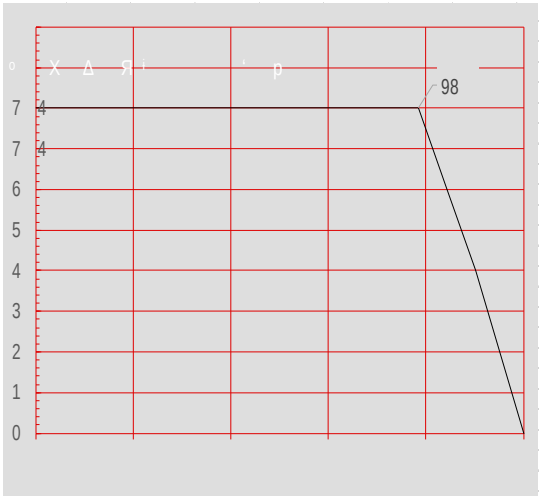
MARKING



1 G. Maximum power dissipation versus RMS on-state current



G.2 RMS on-state current versus case temperature



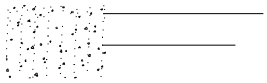
ORDERING INFORMATION

Oo e e	o age / R RR	G m	a age	a eq . p	e e o m e
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Date	Revision	Changes
May.17, 2023	A.1.0	Last updated
Oct.28, 2025	A.1.1	ACĞ r Ā î =

PACKAGE MECHANICAL DATA



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