

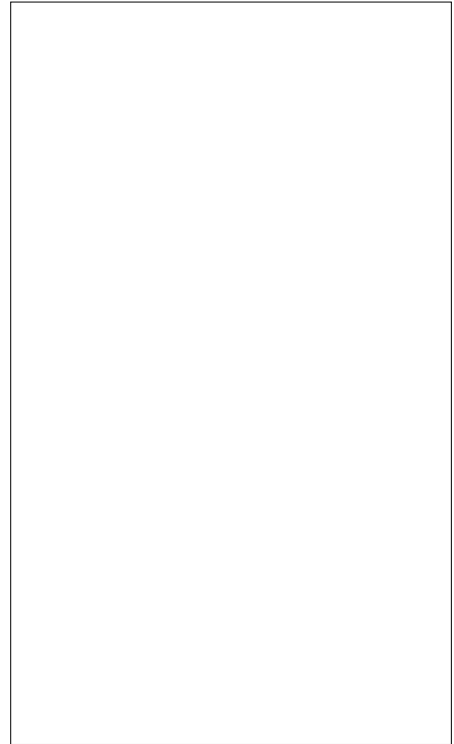


ACJT105-10W 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT105-10W 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 ACJT105-10W embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. Package SOT-223-2L 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 ($T_j=25^\circ\text{C}$)

V_{DRM}

=2j EMC /P <</MCID 26 >>9DC 0.004 Tc -0.004

ORDERING INFORMATION

AC	J	T	1	05	-10	W
AC switch		Triacs	IT(RMS):1A			W:SOT-223-2L
JieJie Microelectronics Co., Ltd.			05: IGT1-3 5mA		10:VDRM /VRRM 1000V	

MARKING

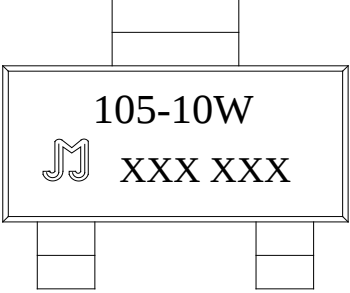
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FIG.1: Maximum power dissipation versus RMS on-state current

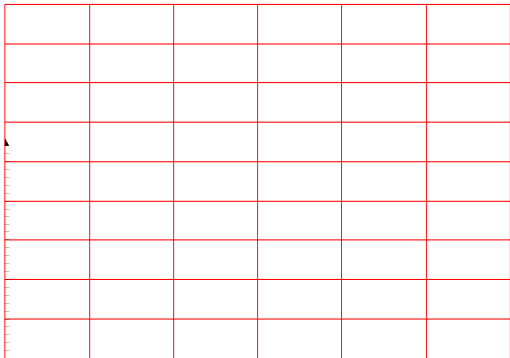
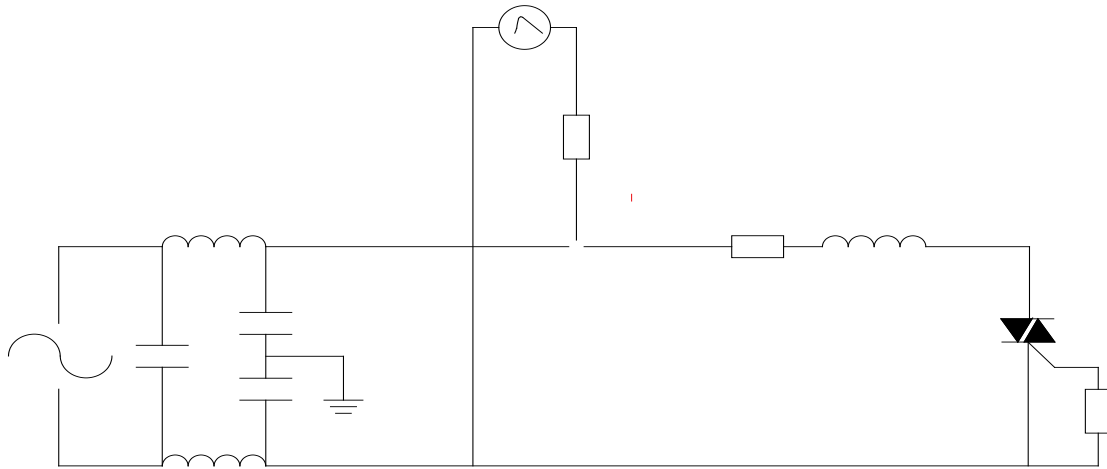


FIG.2: RMS on-state current versus case temperature

FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$
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