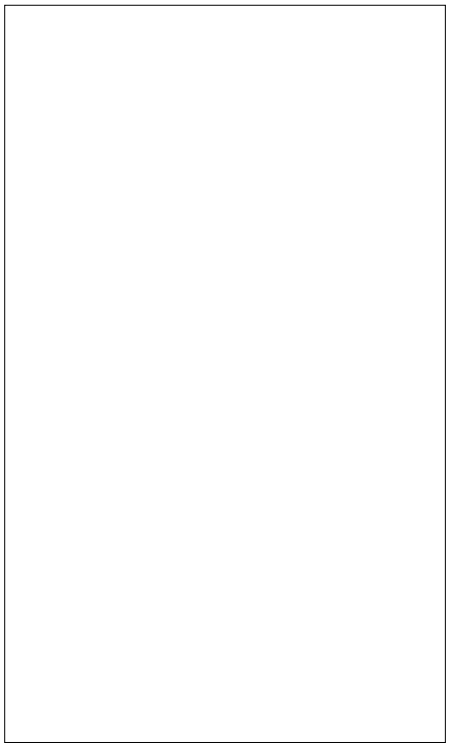
T810-10K 8A TRIAC

Rev.A.1.2

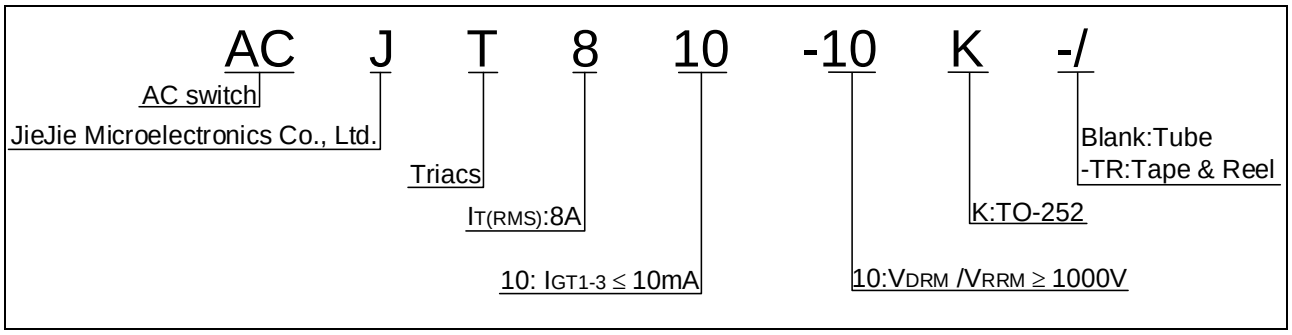
ACJT810-10K triac is suitable for general purpose witching. It can be used as an ON/OFF function in cations such as heating regulation, induction motor ng circuits, for phase control operation in light ners, motor speed controllers. The ACJT810-10K eds a TVS structure to absorb the inductive turn-off gy such as those described in the IEC 61000-4-5 dards. Package TO-252 is RoHS compliant.

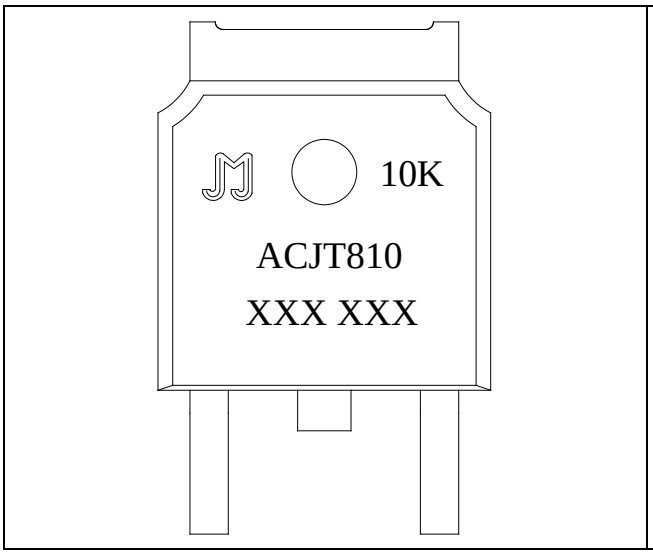


Symbol	Value	Unit
$I_{T(RMS)}$	8	A
$_{RM}/V_{RRM}$	1000	V

Parameter	Symbol	Value	Unit
age junction temperature range	T_{stg}	-40-150	
rating junction temperature range	T_j	-40-125	
etitive peak off-state voltage (T_j=25)	V_{DRM}	1000	V
etitive peak reverse voltage (T_j=25)	V_{RRM}	1000	V
S on-state current ($T_C \leq$ 107)	$I_{T(RMS)}$	8	A
repetitive surge peak on-state current cycle , t_p=20ms , T_j=25)	I_{TSM}	80	A
repetitive surge peak on-state current cycle , t_p=16.6ms , T_j=25)		88	
alue for fusing (t_p=10ms , T_j=25)	I^2t	32	A^2s
cal rate of rise of on-state current 2 × I_{GT} , f=100Hz , T_j=125)	dI/dt	100	A/μs
k gate current (t_p=20μs , T_j=125)	I_{GM}	4	A
rage gate power dissipation (T_j=125)	$P_{G(AV)}$	0.5	W
k gate power	P_{GM}	10	W

ACJT810-10K


AC J T 8 10 -10 K -/
AC switch
JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):8A
10: IGT1-3 ≤ 10mA
10:VDRM /VRRM ≥ 1000V
K:TO-252
Blank:Tube
-TR:Tape & Reel


10K
ACJT810
XXX XXX

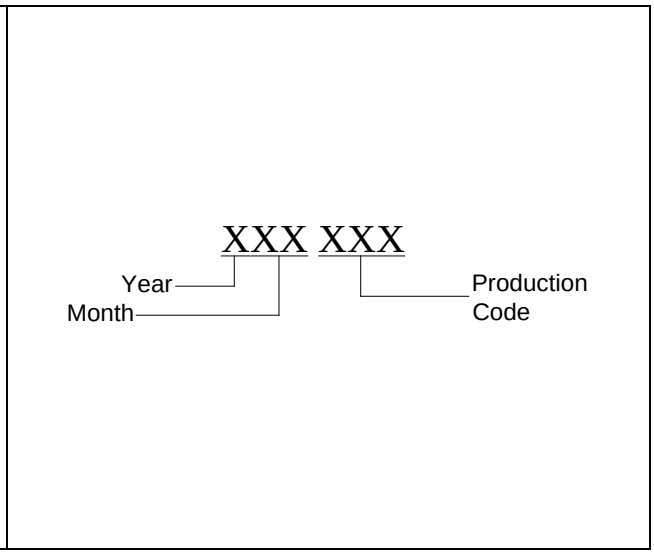
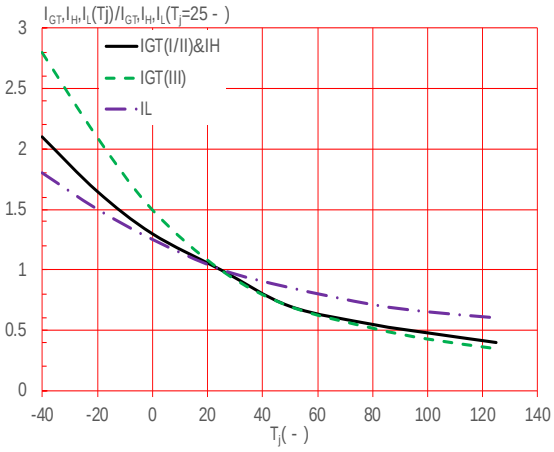

XXX XXX
Year
Month
Production
Code

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



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
C	0.40		0.60	0.016		0.024
D	5.90		6.30	0.232		0.248
E	6.40		6.80	0.252		0.268
G	4.47		4.67252			0.268
G1	2.18		2.38	0.086		0.094
L						
L2				0.053		0.065