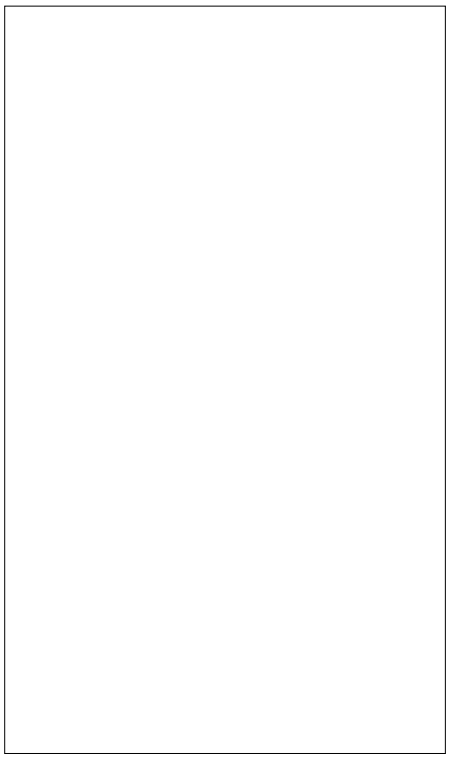
ACJT105-6W 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT105-6W 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 ACJT105-6W embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards.



Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	3.5	kV

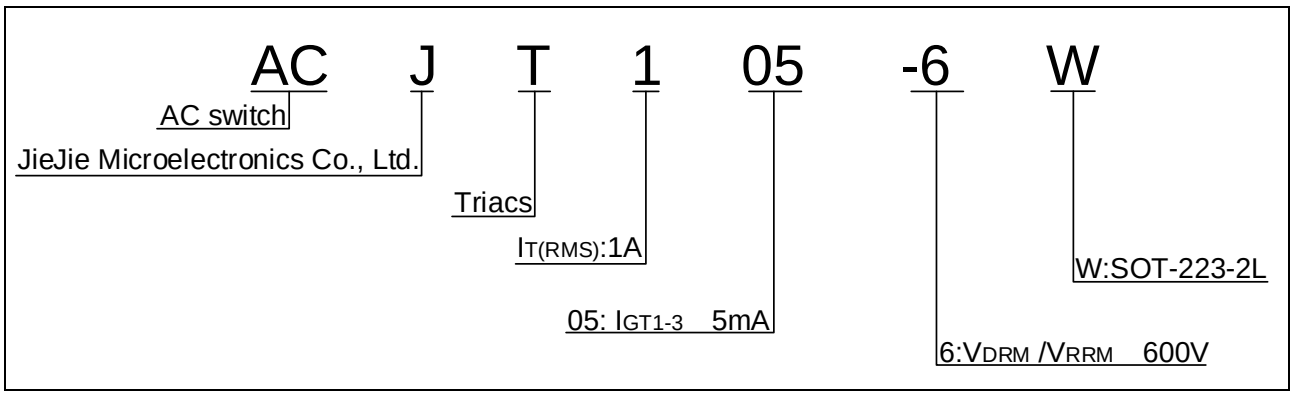
ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	5	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.	10	mA
				20	
I_H	I_T =100mA		MAX.	10	mA
dV/dt	V_D=400V Gate Open T_j =125		MIN.	700	V/μs
(dI/dt)c	(dV/dt)c=10V/μs, T_j=125		MIN.	0.5	A/ms
t_{on}	I_G=10mA I_A=200mA I_R=20mA T_j=25		TYP.	2	μs
t_{off}				20	
V_{CL}	I_{CL}=0.1mA t_p=1ms		MIN.	700	V

STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
V_{TM}	I_T		

ORDERING INFORMATION



MARKING

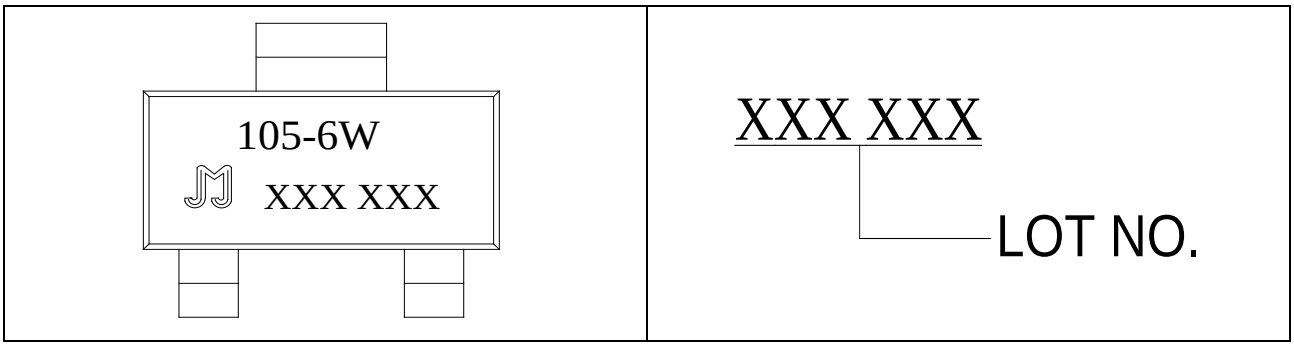
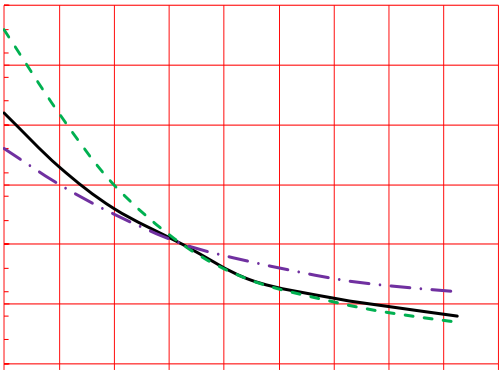


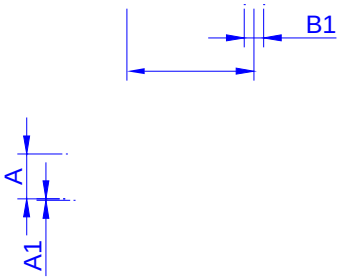
FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT105-6W	600	5	SOT-223-2L	4,000	Tape & Reel

PACKAG



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