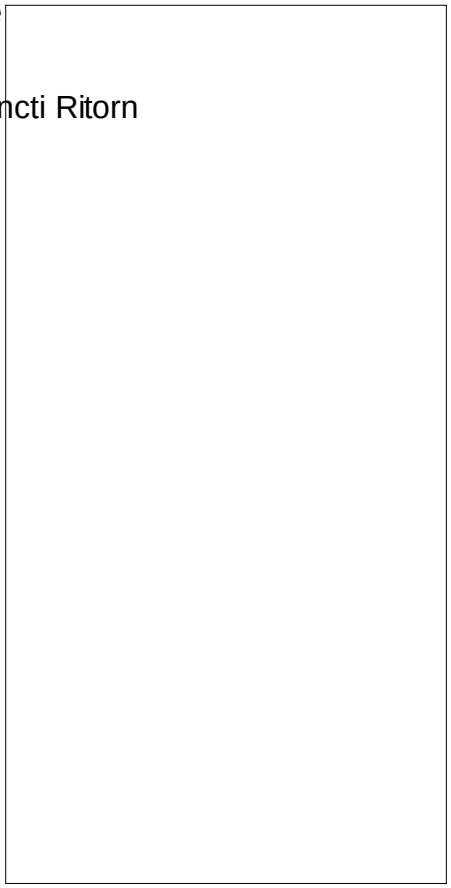
ACJT04A-1000SW 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT04A-1000SW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating.



Average gate power dissipation (T_j=125)	$P_{G(AV)}$	0.5	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	3.25	kV

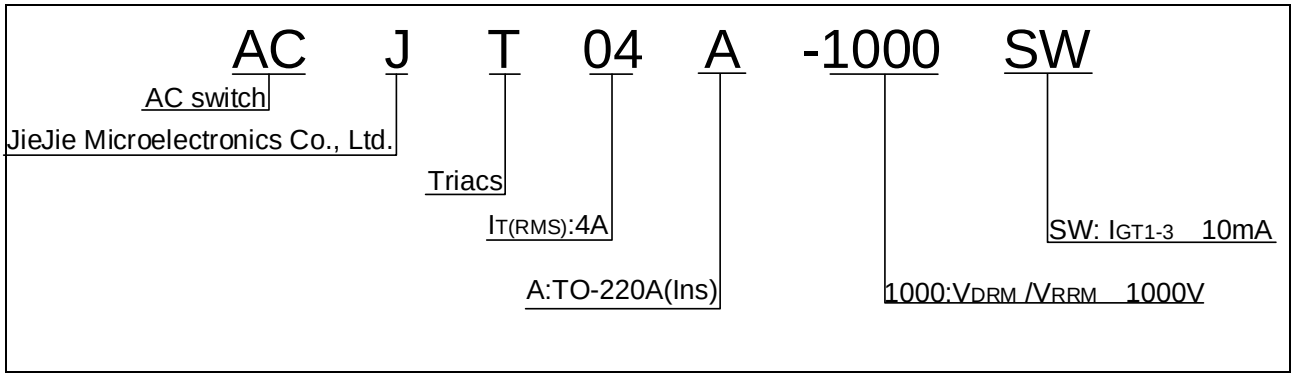
ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33	- -	MAX.	10	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3k	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	30	mA
				45	
I_H	I_T =100mA		MAX.	25	mA
dV/dt	V_D=670V Gate Open T_j =125		MIN.	250	V s
(dI/dt)c	j=125		MIN.	3.5	A/ms
t_{on}	I_G=20mA I_A=200mA I_R=20mA T_j=25		TYP.	4	s
t_{off}				50	
V_{CL}	I_{CL}=0.1mA t_p=1ms		MIN.	1050	V

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =5.6A t_p=380 s	T_j=25	1.6	V
V_{TO}	Threshold voltage	T_j=125	0.9	V
R_D	Dynamic resistance	T_j=125	80	
I_{DRM}	25 80 V_{DRM} V=V			

ORDERING INFORMATION



MARKING

ACJT04A-1000SW

ACJT04A-

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT04A-1000SW	1000	10	TO-220A(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.14, 2023	A.1.0	Last updated
Oct.13, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA

