



ACJT08A-1000CW 8A TRIAC

Rev.A.1.1

DESCRIPTION:

ACJT08A-1000CW

8A TRIAC

TO-18

1000V

8A

1000V

TO-18

ACJT08A-1000CW

8A TRIAC

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TO-18

1000V

8A

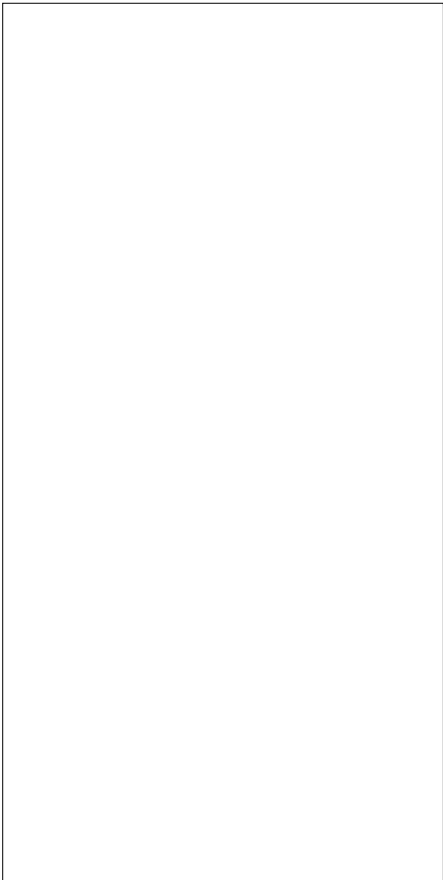
1000V

TO-18

1000V

8A

1000V



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage Temperature	T_g	-40 to 100	
Junction Temperature	T_j	-40 to 125	
Reverse Voltage (Non-Conducting State)	V_{RM}	1000	V
Reverse Voltage (Conducting State)	V_{RM}	1000	V
Non-Repetitive Surge Current (100µs)	I_{RM}	8	A
Non-Repetitive Surge Current (10ms)	I_{SM}	8	A
Non-Repetitive Surge Current (100µs)		8	

I^2t

P_{tot}	$T_j \leq 100^\circ C$	W
P_{DM}	$T_j = 25^\circ C$	W
V_p	$T_j = 25^\circ C$	V

ELECTRICAL CHARACTERISTICS

Symbol	Test Condition	Quadrant	Value	Unit
I_G	$V_D = 0V, L = 3\mu s$	- -	3	A
V_G		- -	1	V
V_D	$V_D \leq 10V, T_j = 25^\circ C, R_L = 3k\Omega$	- -	0	V
I_L	$I_G = 2I_G$	-	3	A
			5	
I_H	$I_T = 10\mu A$		0	A
τ	$V_D = 0V, n = 1, T_j = 25^\circ C$		0	V/ μs
dI/dt	$(dV/dt)_c = 10V/\mu s, T_j = 25^\circ C$		0	A
t_b	$I_G = 0A, I_A = 0A, I_R = 0A, T_j = 25^\circ C$	TP	5	μs
t_b			0	
V_C	$I_C = 10A, p = 100$		0	V

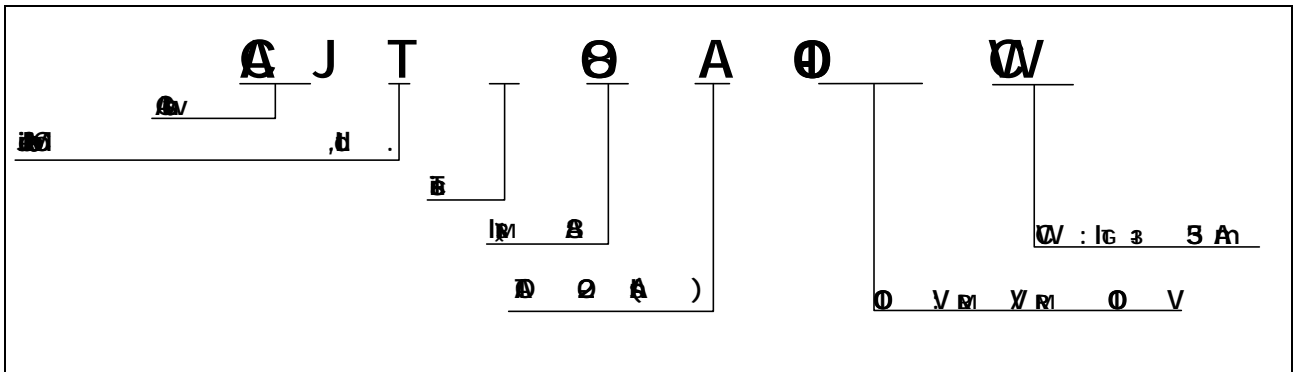
STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
V_{IM}	$I_{IM} = 10\mu A, T_j = 25^\circ C$	1.5	V
V_D	$T_j = 25^\circ C$	0	V
R_D	$T_j = 25^\circ C$	3	m
I_{DM}	$V_D \leq 10V, V_R \leq 10V, T_j = 25^\circ C$	8	μA
I_{RM}		$T_j = 25^\circ C$	0

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{\theta j-c}$	$R_{\theta j-c}$	25	$W^{-1}K$
$R_{\theta j-a}$	$R_{\theta j-a}$	0	$W^{-1}K$

ORDERING INFORMATION



MARKING

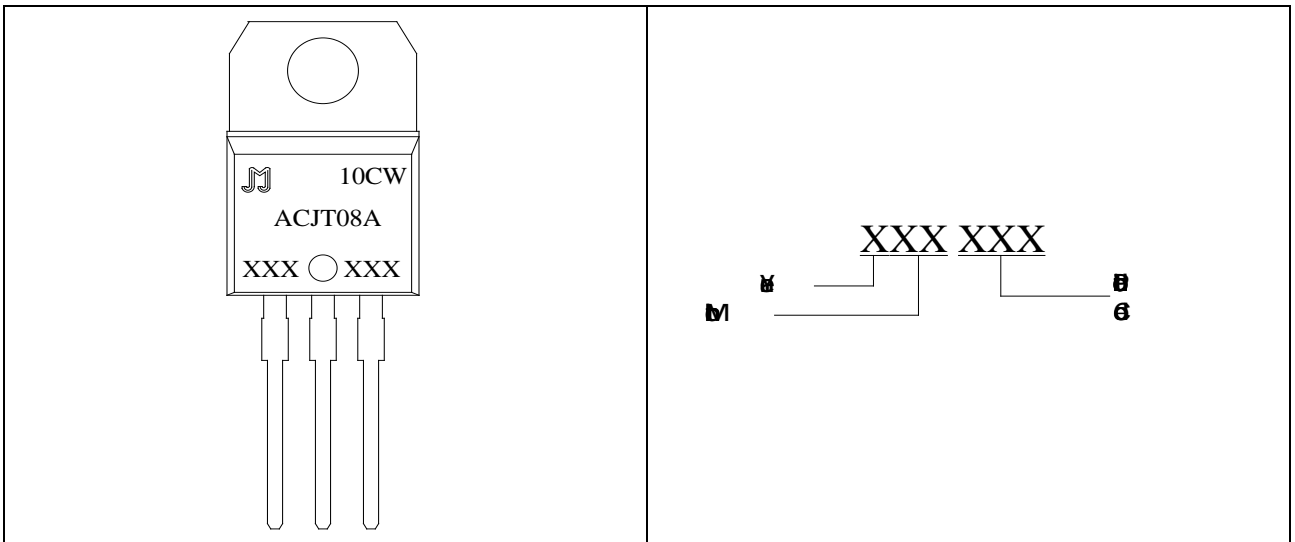



FIG.1: 



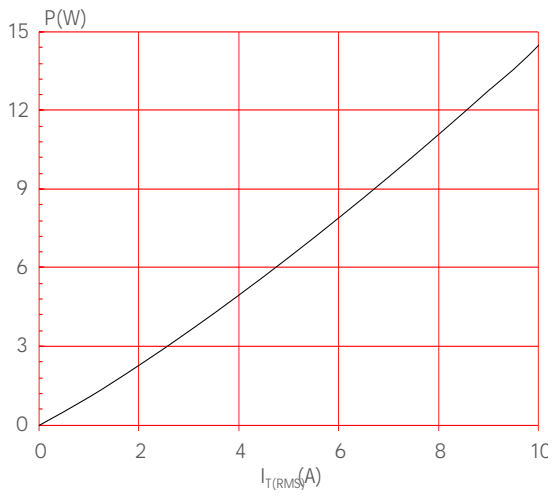

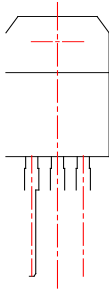


FIG.2: 





PACKAGE MECHANICAL DATA



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ACJT08A-1000CW
JieJie
Microelectronics Co., Ltd.
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Microelectronics Co., Ltd.
JieJie
Microelectronics Co., Ltd.

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