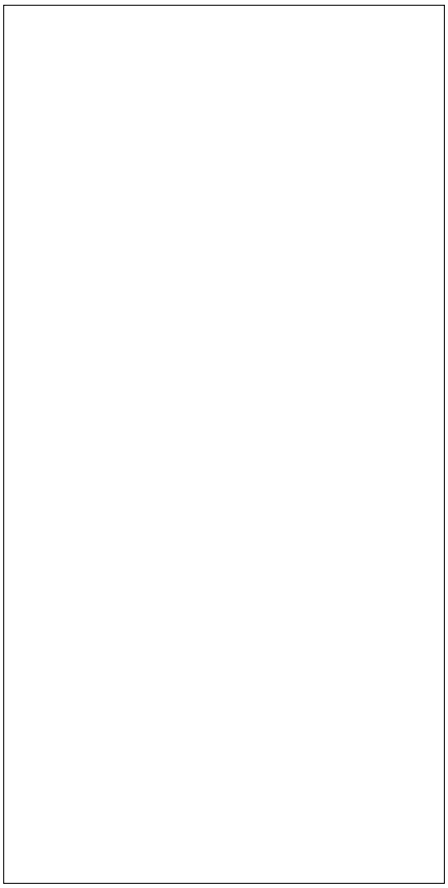
ACJT08A-1000CW 8A TRIAC

Rev.A.1.1

DESCRIPTION:



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
	T_{stg}	-40-150	
	T_j	-40-125	
-t T $_j$=25)	V_{DRM}	1000	V
T $_j$=25)	V_{RRM}	1000	V
-t(T 97)	$I_{T(RMS)}$	8	A
-t t $_p$=20ms T $_j$=25)	I_{TSM}	80	A
-t t $_p$=16.6ms T $_j$=25)		88	

I^2

A [illegible] (T_j=125)	$P_{G(AV)}$	0.5	W
[illegible]	P_{GM}	10	W
[illegible] (T_j=25 ; [illegible] FIG.7)	V_p	2.75	kV

ELECTRICAL CHARACTERISTICS (T_j=25 [illegible])

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	35	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.	35	mA
				55	
I_H	I_T =100mA		MAX.	30	mA
dV/dt	V_D=670V [illegible] T_j =125		MIN.	1600	V/μs
(dI/dt)c	(dV/dt)c=10V/μs, T_j=125		MIN.	10	A/ms
t_{gd}	I_G =40mA I_T =200mA I_R=20mA T_j=25		TYP.	5	μs
t_q				70	
V_{BL}	I_{BL} =0.1mA t_p=1ms		MIN.	1050	V

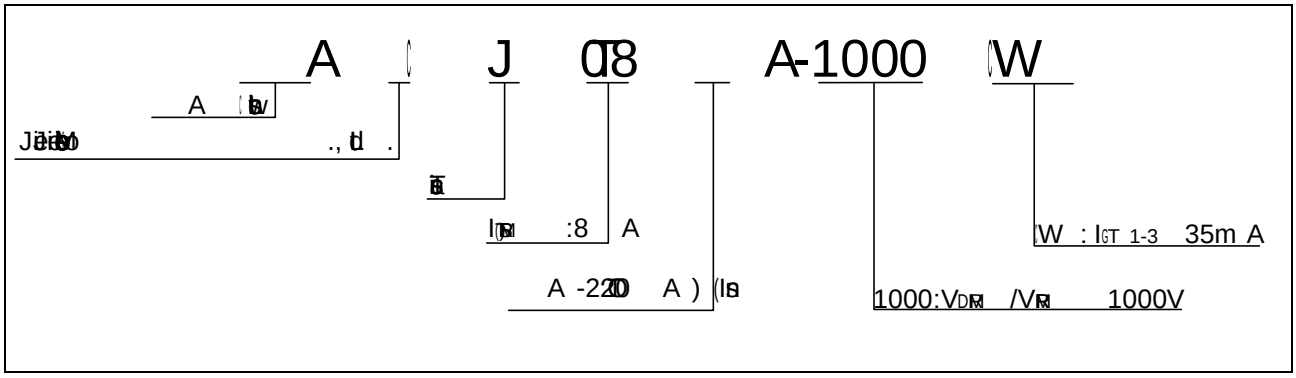
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =10A t_p=380μs	T_j=25	1.45	V
V_{TO}	[illegible]	T_j=125	0.78	V
R_D	Dynamic [illegible]	T_j=125	48	mΩ
I_{DRM}	V_D =V_{DRM} V_R =V_{RRM}	T_j=25	8	μA
I_{RRM}		T_j=125	0.8	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (AC)	2.5	℃/W
$R_{th(j-a)}$	junction to ambient (AC)	60	℃/W

ORDERING INFORMATION



MARKING

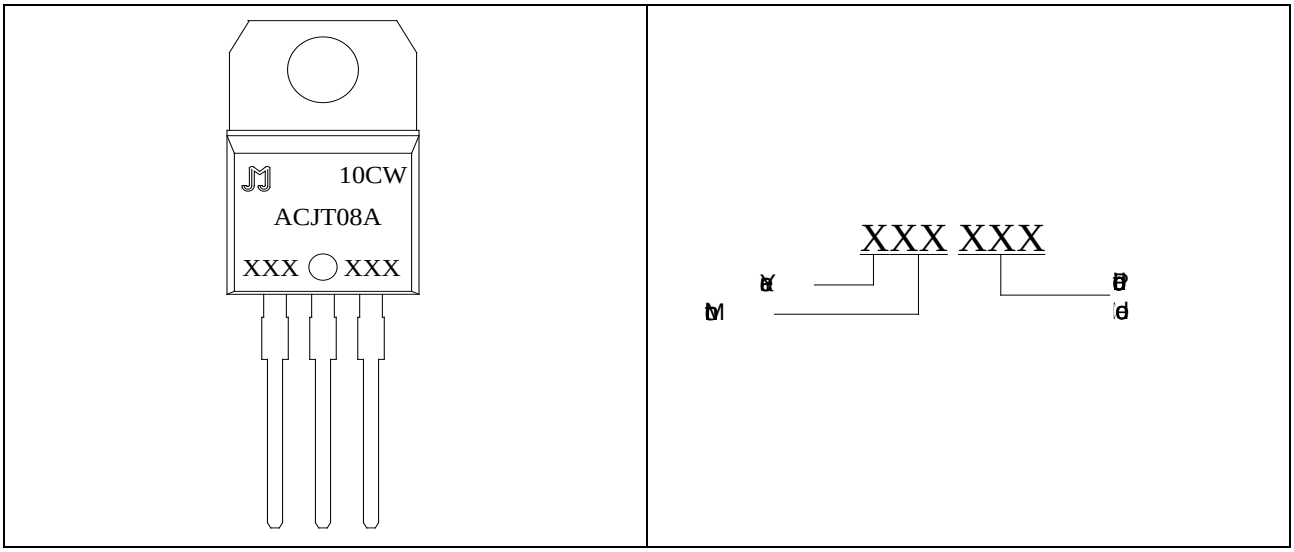


FIG.1: [illegible]

[illegible]

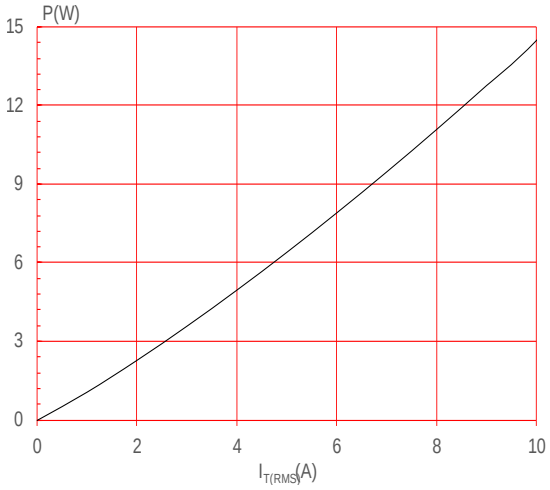


FIG.2: [illegible]

[illegible]

PACKAGE MECHANICAL DATA