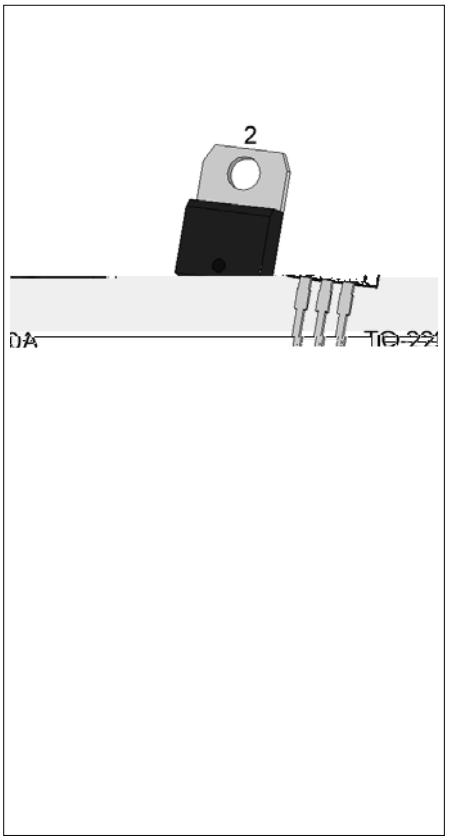
ACJT625-8A 6A TRIAC

Rev.A.1.1

DESCRIPTION:

tCJ t 25-8A tiiip
AC lgtdbD/EF fn
ipgtn
tpfpg
jtpbCJ t 25-8A
tbn f
gbEC 61000-4-5
t lgp ACJT625-8A
p atg2500 S .
g O -220A iSpn .



MAIN FEATURES

pn	v	bl
$I_{T(RMS)}$	6	A
V_{DRM}/V_{RRM}	800	V
I_{GT} / /	25/25/25	m

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
g	T_{stg}	-40-150	
p jg	T_j	-40-125	
f -tg(T_j=25)	V_{DRM}	800	V
g(T_j=25)	V_{RRM}	800	V
S -t($T_c \leq 100$)	$I_{T(RMS)}$	6	A
Nqg -t (f; t $_p$=20ms; T_j=25)	I_{TSM}	60	A
Nqg -t t (f; t $_p$=16.6ms; T_j=25)		66	
I^2tg(t $_p$=10ms; T_j=25)	I^2t	18	A^2s
C tf -t (=2× I_{GT} , f=100Hz; T_j=125)	d	100	A s
g(t $_p$=20 s; T_j=125)	I_{GM}	4	A

Average gate power dissipation (T j=125)	$P_{G(AV)}$	0.5	W
Peak gate power dissipation	P_{GM}	10	W
Peak gate voltage (T=25 ; non-repetitive see FIG.7)	V_p	3.5	V

ELECTRICAL CHARACTERISTICS (Tj=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33	- -	MAX.	25	mA
V_{GT}		- -	MAX.	1	V
V_{GD}					

ORDERING INFORMATION

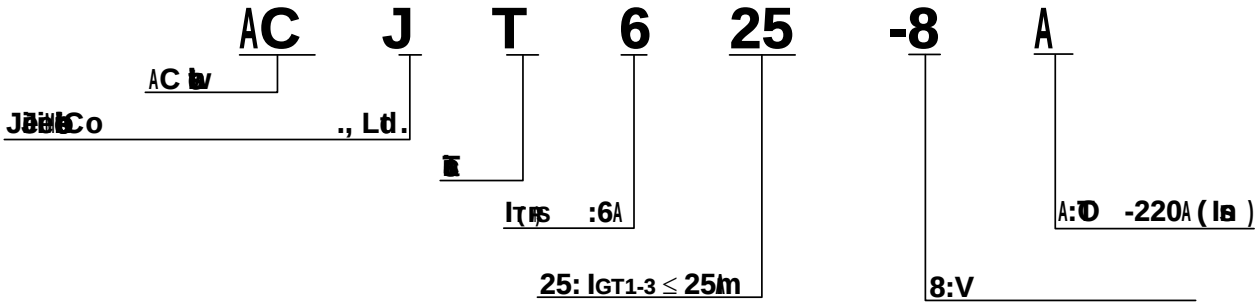


FIG.1: M S

o t

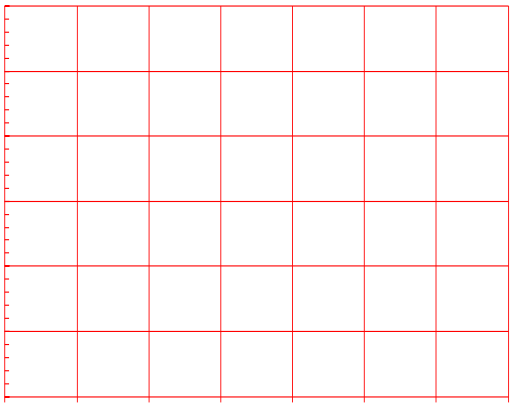
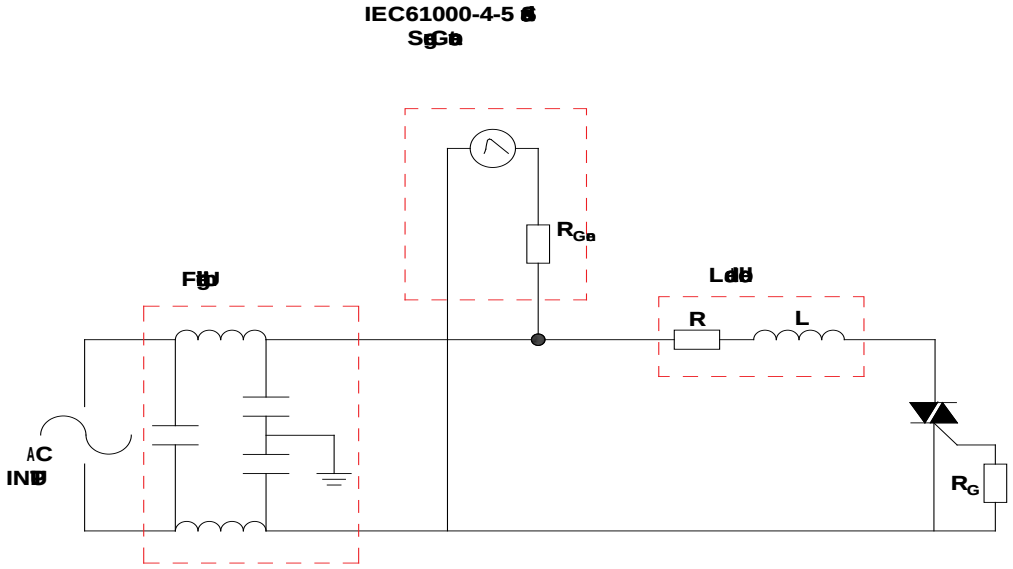


FIG.2: R -t

p n

FIG.7 -61000-4-5



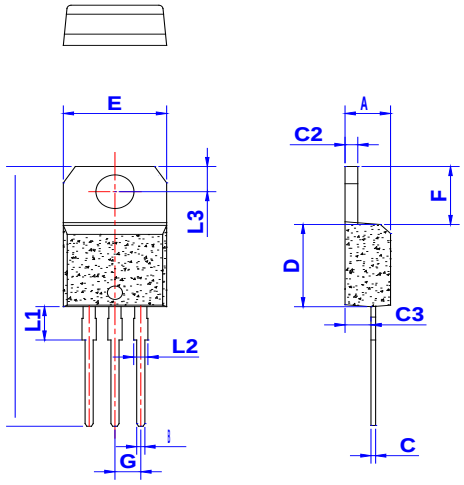
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT625-8A	800	25	TO-220A(Ins)	50	Tube

Document Revision History

Date	Rev	Change
Apr .14, 2023	A. 1.0	Latest
Oct.03, 2025	A. 1.1	Rev PACKAGE MECHANICAL DAT

PACKAGE MECHANICAL DATA



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