2A TRIAC

Rev.A.1.1

iac is suitable for general purpose AC
e used as an ON/OFF function in
as heating regulation, induction motor
r phase control operation in light dimmers,
ollers. Compared to traditional triacs,
es a very high switching capability up to
res of 150°C. By using an external plastic
6F provides a rated insulation voltage of
lying with UL standards (File ref: E252906).
is RoHS compliant.

MUM RATINGS

Parameter	Symbol	Value	Unit
emperature range	T_{stg}	-40-150	
n temperature range	T_j	-40-150	
ff-state voltage (T_j=25)	V_{DRM}	600	V
everse voltage (T_j=25)	V_{RRM}	600	V
rent (T_C 106)	$I_{T(RMS)}$	12	A
ge peak on-state current ns , T_j=25)	I_{TSM}	120	A
ge peak on-state current 6ms , T_j=25)		132	

Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	4.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =150Q R_L =3.3kΩ	- -	MIN.	0.2	V

FIG.1: Maximum power dissipation versus RMS on-state current

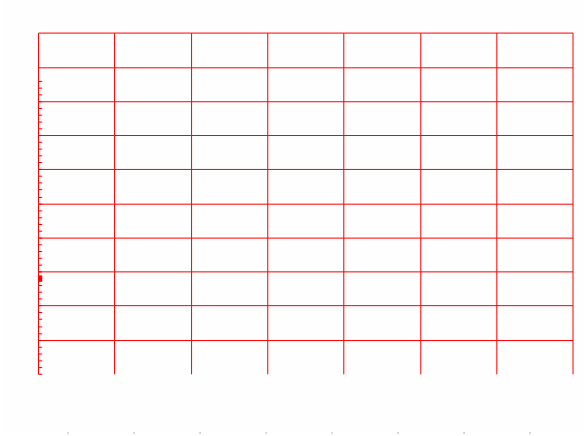

FIG.2: RMS on-state current versus case temperature

FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T1235H-6F	600	35	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision

PACKAGE MECHANICAL DATA