## 2A TRIAC



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.

| | | | |
|---|---|---|---|
| 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 |
| $V_{GD}$ | $V_D$ =$V_{DRM}$ $T_j$ = 1 Ω $R_L$ =3.3kΩ | - - | MIN. | 0.2 | V |

3Ruv°

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

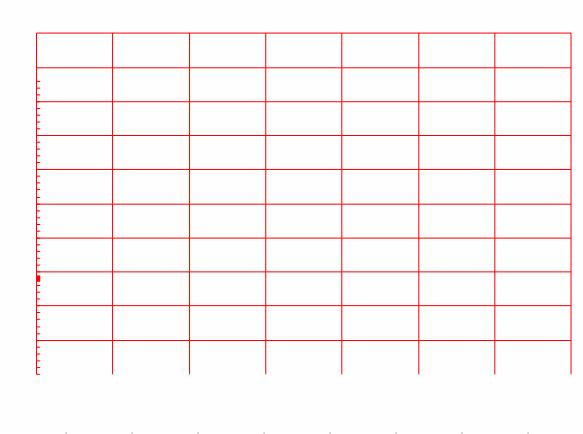


**FIG.2:** RMS on-state current versus case temperature

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



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