or general purpose AC
FF function in applications
motor starting circuits,
mmers, motor speed
ess triac is especially
ads. By using an external
vides a rated insulation
h UL standards (File ref:
S compliant.

| | Symbol | Value | Unit |
|---|---|---|---|
| | $T_{stg}$ | -40-150 | |
| | $T_j$ | -40-125 | |
| =25 ) | $V_{DRM}$ | 800 | V |
| 25 ) | $V_{RRM}$ | 800 | V |

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

($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33Ω | - - | MAX. | 50 | mA |
| $V_{GT}$ | | - - | MAX. | 1 | V |
| $V_{GD}$ | $V_D$ =$V_{DRM}$ $T_j$ =125 $R_L$ =3.3kΩ | - - | MIN. | 0.2 | V |
| | D=540V ˗ p m Ă j=125 T | | MIN. | 1500 | V/μs ж |
| | j=125 | | MIN. | 15 | A/ms |
| o | G=80mA I =400mA I =40mA ʒ # | | ts | ж | ă |
| o f | $T_j$=25 | | | | |

**S mbo Parame e Value ʻ r Ɔ Ŏ þ M V U it**

DRM T
V V =Ѵ ʻ ʻ

J ST 10 F -800 BW

- J: JieJie Microelectronics Co., Ltd.
- ST: Triacs
- 10: $I_{T(RMS)}$:10A
- F: F:TO-220F(Ins)
- -800: 800:$V_{DRM}$ /$V_{RRM}$ ≥ 800V
- BW: BW:$I_{GT1-3}$ ≤ 50mA

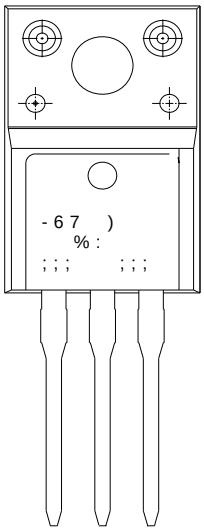
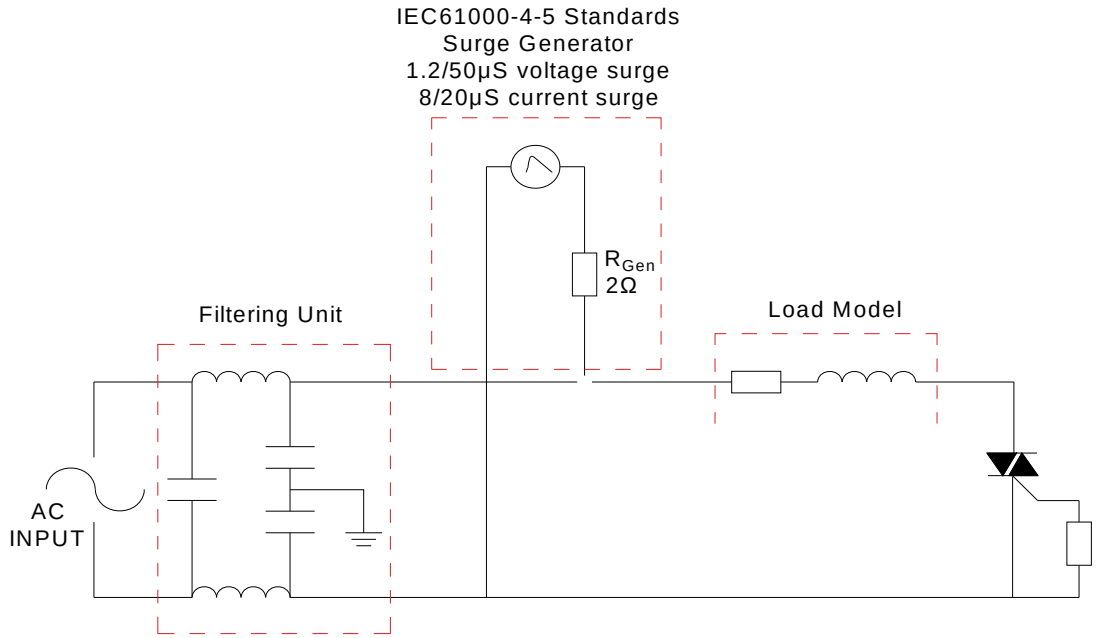


**FIG.1:** Maximum power dissipation versus RMS on-state current

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

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



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