



|                                                                      |          |   |    |
|----------------------------------------------------------------------|----------|---|----|
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$ | 5 | kV |
|----------------------------------------------------------------------|----------|---|----|

**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

| Symbol      | Test Condition                                | Quadrant | Value |     | Unit |
|-------------|-----------------------------------------------|----------|-------|-----|------|
| $I_{GT}$    | $V_D=12V$ $R_L=33$                            | - -      | MAX.  | 25  | mA   |
|             |                                               |          |       | 50  |      |
| $V_{GT}$    |                                               | ALL      | MAX.  | 1   | V    |
| $V_{GD}$    | $V_D=V_{DRM}$ $T_j=125$<br>$R_L=3.3k$         | ALL      | MIN.  | 0.2 | V    |
| $I_L$       | $I_G=1.2I_{GT}$                               | - -      | MAX.  | 50  | mA   |
|             |                                               |          |       | 60  |      |
| $I_H$       | $I_T=200mA$                                   |          | MAX.  | 40  | mA   |
| $dV/dt$     | $V_D=540V$ Gate Open $T_j=125$                |          | MIN.  | 300 | V/s  |
| $(dV/dt)_c$ | $(dI/dt)_c=2.7A/ms$ , $T_j=125$               |          | MIN.  | 5   |      |
| $t_{on}$    | $I_G=80mA$ $I_A=400mA$ $I_R=40mA$<br>$T_j=25$ |          | TYP.  | 3   | s    |
| $t_{off}$   |                                               |          |       | 30  |      |

**STATIC CHARACTERISTICS**

| Symbol   | Parameter       | Value(MAX.) | Unit |
|----------|-----------------|-------------|------|
| $V_{TM}$ | $I_{TM}=8.5A$ t |             |      |

ORDERING INFORMATION

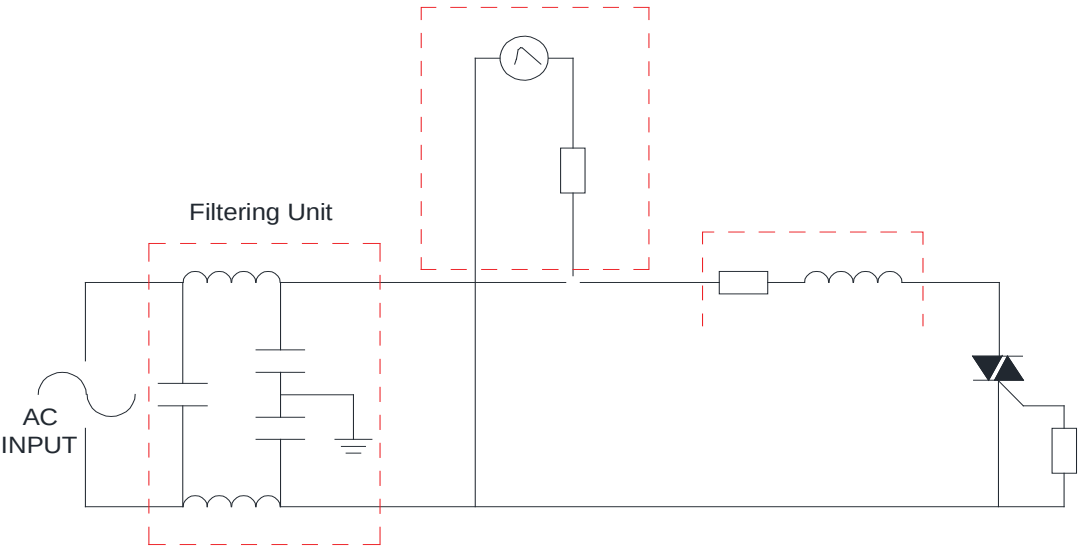
|                                   |        |                 |             |                                 |                                             |
|-----------------------------------|--------|-----------------|-------------|---------------------------------|---------------------------------------------|
| J                                 | ST     | 06              | C           | -800                            | C                                           |
| JieJie Microelectronics Co., Ltd. | Triacs | $I_{T(RMS)}:6A$ | $C:TO-220C$ | $800:V_{DRM}/V_{RRM} \geq 800V$ | $C:I_{GT1-3} \leq 25mA \ I_{GT4} \leq 50mA$ |

MARKING



FIG.1:

FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards  
IEC61000-4-5 Standards  
Surge Generator







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