# T1635H-8C 16A TRIAC

Rev.A.1.1

## DESCRIPTION:

The T1635H-8C triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. Compared to traditional triacs, T1635H-8C provides a very high switching capability up to junction temperatures of 150°C. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

| | | | |
|---|---|---|---|
| Peak pulse voltage<br>($T_j$=25 ; non-repetitive,off-state;FIG.7) | $V_{pp}$ | 4 | kV |

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

| Symbol | Test Condition | Quadrant | Value | | Unit |
|---|---|---|---|---|---|
| $I_{GT}$ | $V_D$ =12V $R_L$ =33 | - - | MAX. | 35 | mA |
| $V_{GT}$ | | - - | MAX. | 1 | V |
| $V_{GD}$ | $V_D$ =$V_{DRM}$ $T_j$ =150<br>$R_L$ =3.3k | - - | MIN. | 0.2 | V |
| $I_L$ | $I_G$ =1.2$I_{GT}$ | -mA- | | | |

## ORDERING INFORMATION

T 16 35 H -8 C

- T: Triacs
- 16: $I_{T(RMS)}$:16A
- 35: $I_{GT1-3} \leq$ 35mA
- H: High junction temperature
- -8: $V_{DRM}$ /$V_{RRM} \geq$ 800V
- C: C:TO-220C

**8**

## MARKING

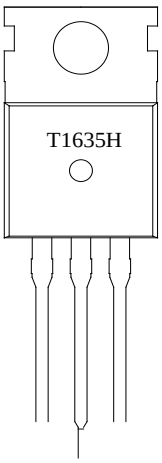


**FIG.1:** Maximum power dissipation versus RMS on-state current

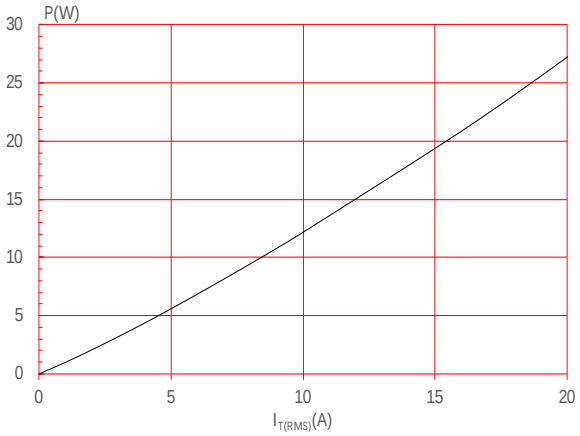
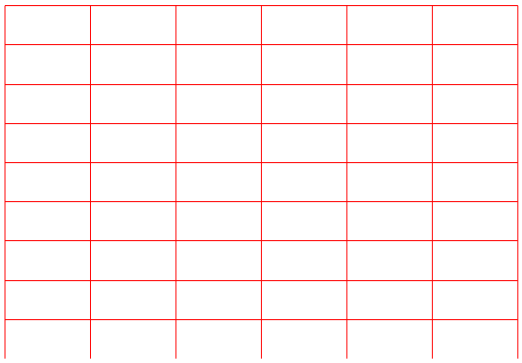



**FIG.2:** RMS on-state current versus case temperature



## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|

## PACKAGE MECHANICAL DATA 8



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