



|  |             |    |    |
|--|-------------|----|----|
| Average gate power dissipation ( $T_j=150$ )                         | $P_{G(AV)}$ | 1  | W  |
| Peak gate power  | $P_{GM}$    | 10 | W  |
| Peak pulse voltage<br>( $T_j=25$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$    | 3  | kV |

### ELECTRICAL CHARACTERISTICS (unless otherwise specified)

| Symbol   | Test Condition     | Quadrant | Value |    | Unit |
|----------|--------------------|----------|-------|----|------|
| $I_{GT}$ | $V_D=12V$ $R_L=33$ | - -      | MAX.  | 20 | mA   |
| $V_{GT}$ |                    | - -      | MAX.  | 1  | V    |
| $V_{GD}$ |                    |          |       |    | V    |

ORDERING INFORMATION

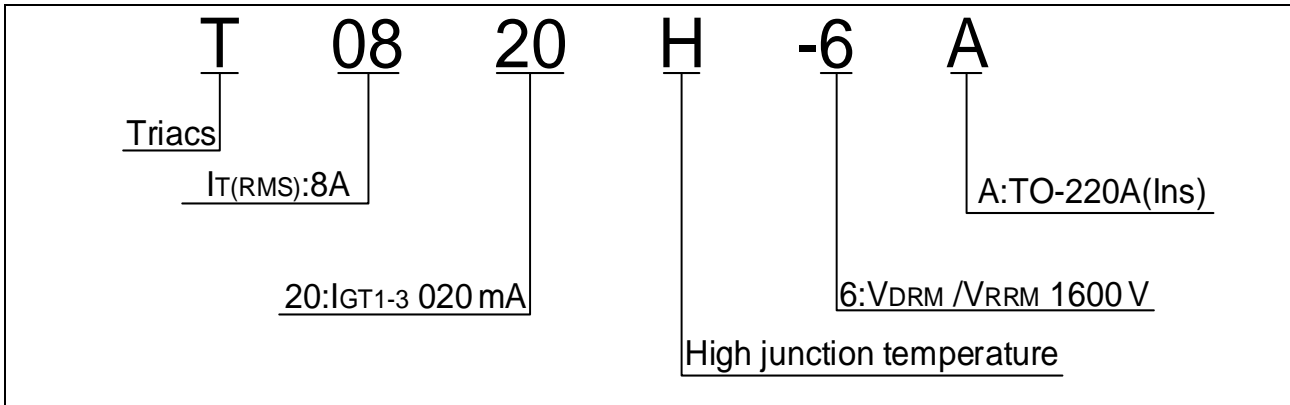


FIG.1: Maximum power dissipation versus RMS on-state current



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



## ORDERING INFORMATION

| Order code | Voltage<br>$V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty.<br>(pcs) | Delivery<br>mode |
|------------|----------------------------------|---------|---------|--------------------|------------------|
|            |                                  | - -     |         |                    |                  |
| T0820H-6A  | 600                              | 20      | TO-220A |                    |                  |

PACKAGE MECHANICAL DATA

