



T1650H-6E 16A TRIAC

Rev.A.1.0

DESCRIPTION:

The T1650H-6E 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,

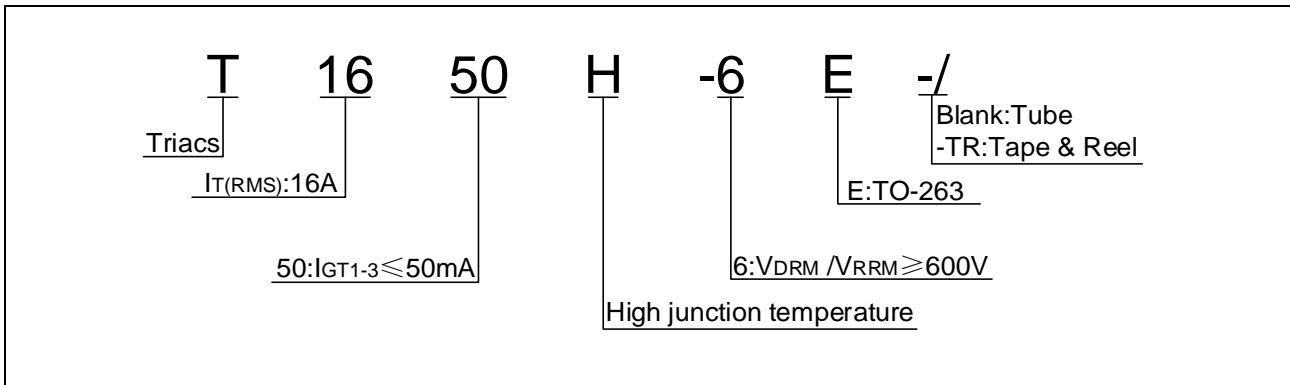
$(-T_j) 0.004 T_c - 0.06 > 3$

Peak pulse voltage ($T_j=25^\circ\text{C}$; non-repetitive, off-state; FIG.8)	V_{pp}	4	kV
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ELECTRICAL CHARACTERISTICS ($T_j=25^\circ\text{C}$ unless otherwise specified)

Symbol Test Condition Quadrant

ORDERING INFORMATION



MARKING

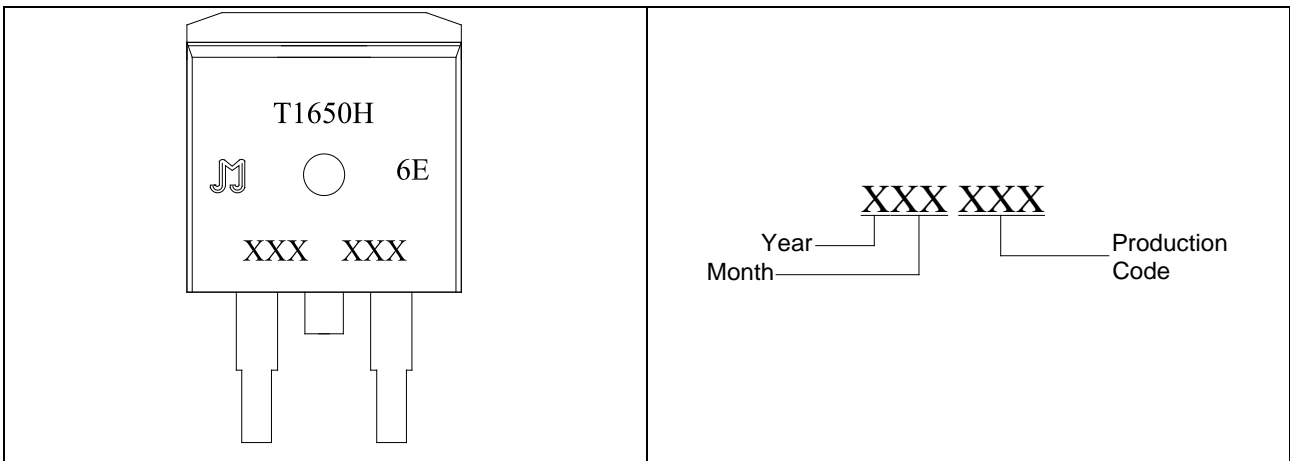


FIG.1 Maximum power dissipation versus RMS on-state current

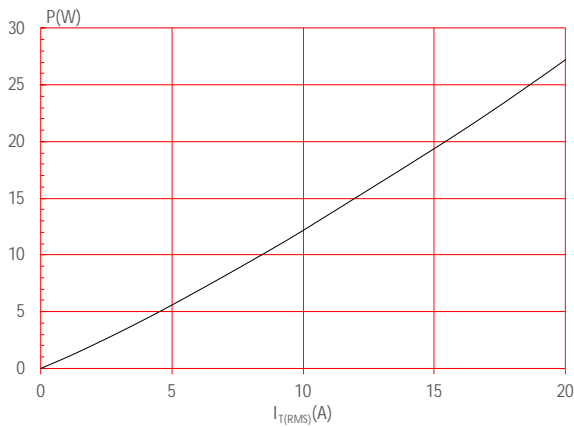


FIG.2: RMS on-state current versus case temperature

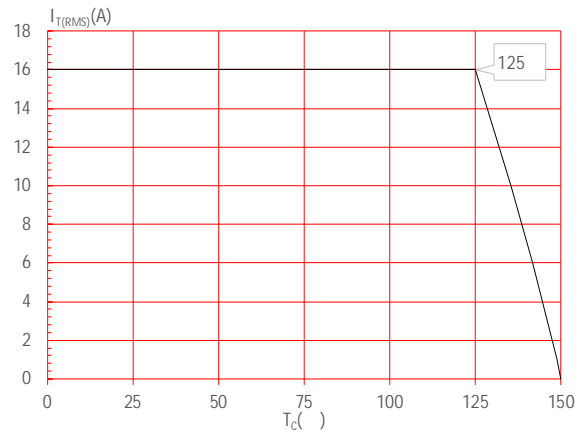


FIG.3: RMS on-state current versus ambient temperature (printed circuit board FR4,copper thickness:35μm)(full cycle)

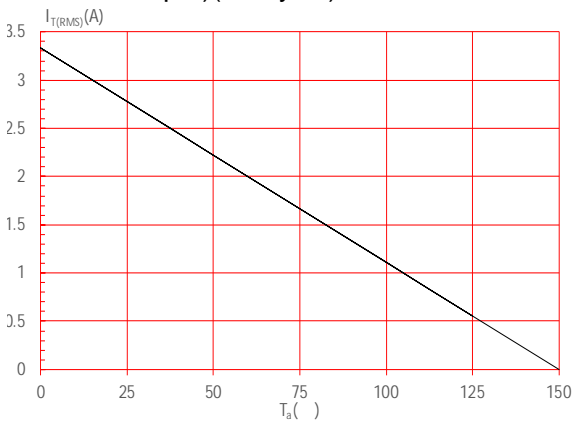


FIG.4: Surge peak on-state current versus number of cycles

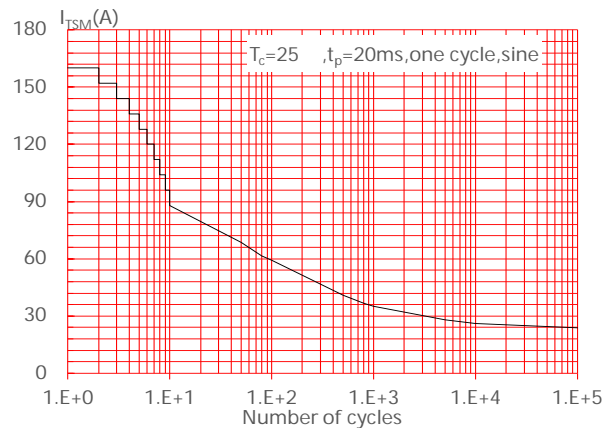


FIG.5: On-state characteristics

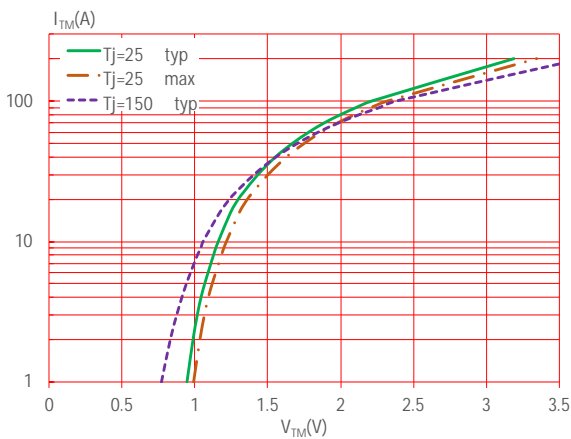


FIG.6: Non-repetitive surge peak on-state current for a sinusoidal pulse with width $t_p < 20\text{ms}$, and corresponding value of I^2t ($di/dt < 100\text{A}/\mu\text{s}$)

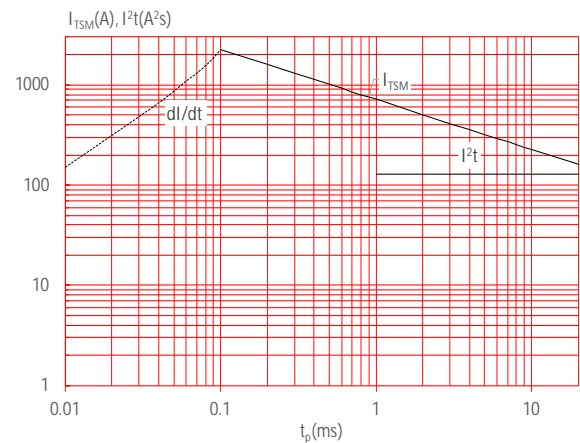


FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

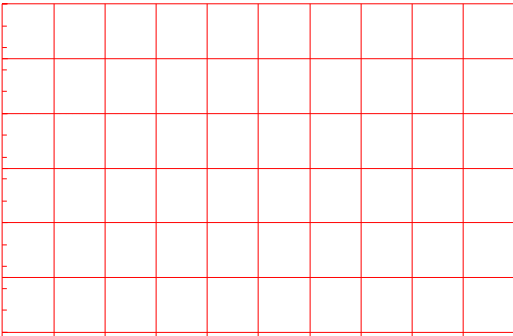
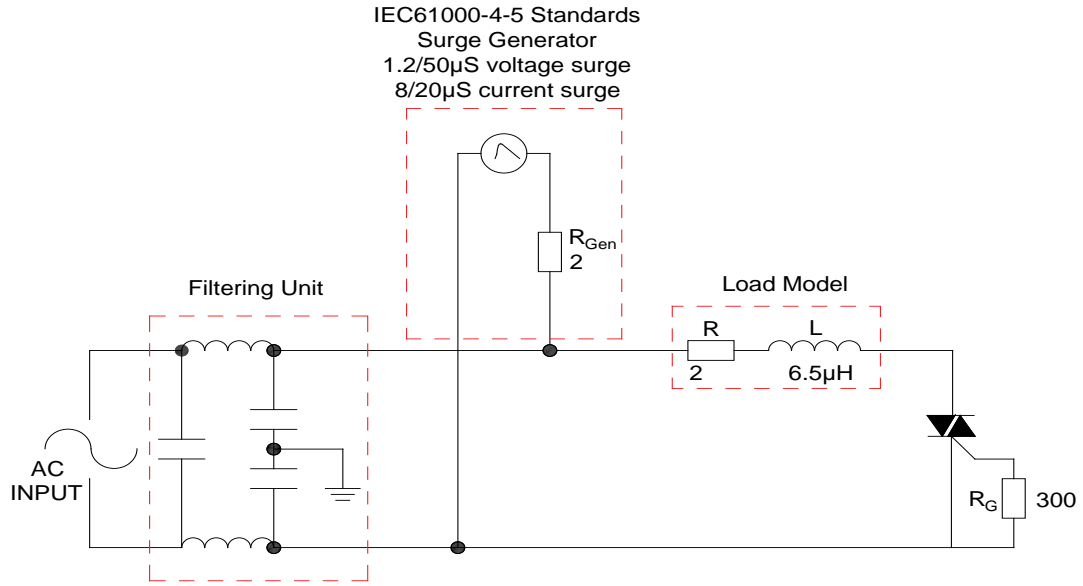


FIG.8: Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T1650H-6E	600	50	TO-263	50	Tube
T1650H-6E-TR				800	Tape & Reel

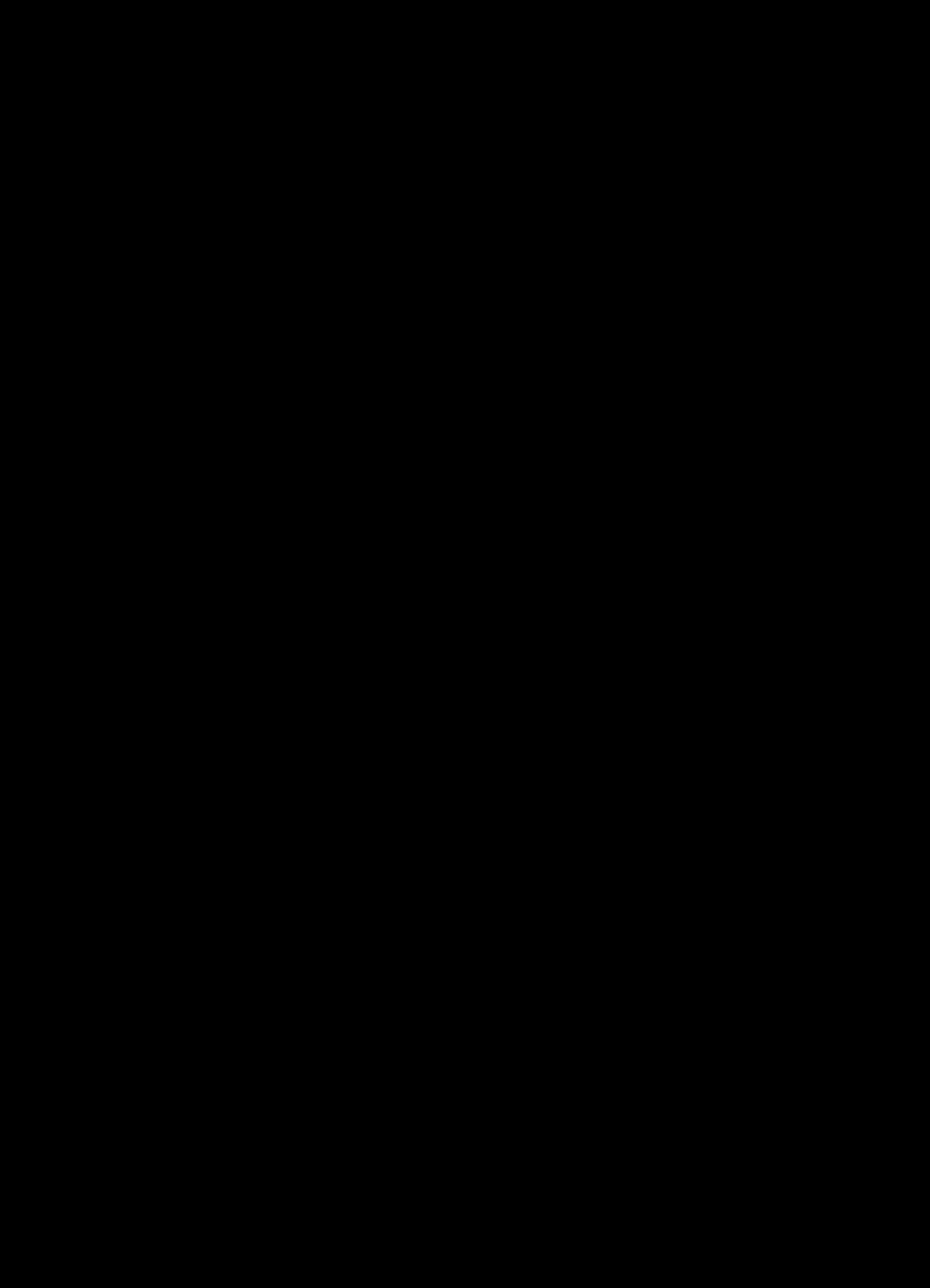
Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last updated

T1650H-6E

 JieJie Microelectronics Co., Ltd.


T1650H-6E PACKAGE MECHANICAL DATA (CASE 16) (M1650H-6E) (LINE 1) (SAC TT1650H-6E) (DC 1650H-6E) (22)



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