



T0835H-8F 8A TRIAC

Rev.A.1.1

The T0835H-8F 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, T0835H-8F provides a very high switching capability up to junction temperatures of 150°C. By using an external plastic package, T0835H-8F provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906).

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

($T_j=25\text{ }^{\circ}\text{C}$ unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12\text{V}$ $R_L=33\Omega$	- -	MAX.	35	mA

V_{GT}

- -

MAX.

1

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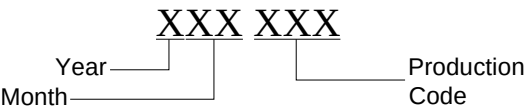
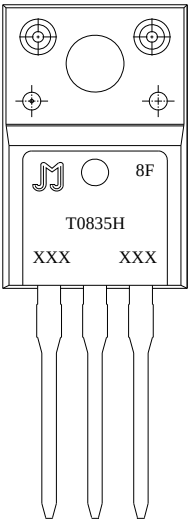
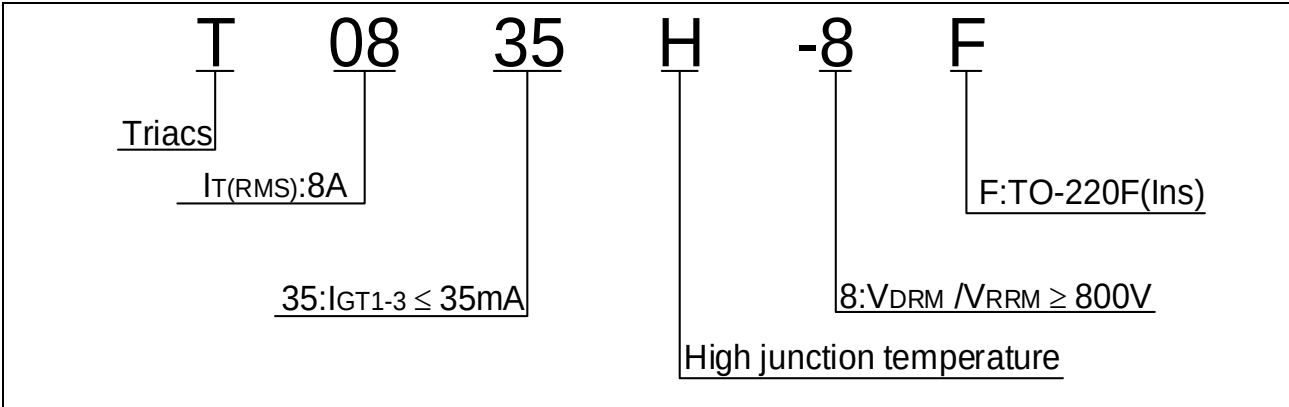


FIG.1: Maximum power dissipation versus RMS on-state current

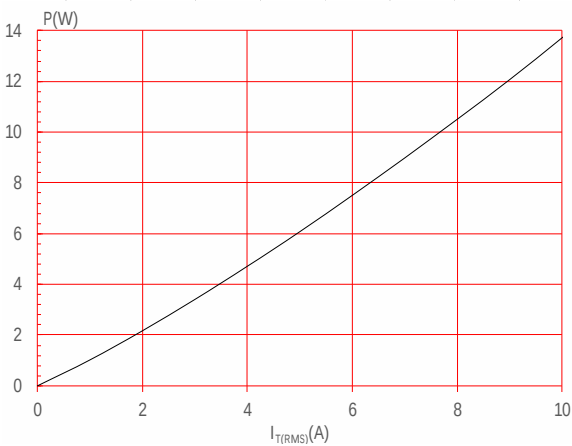
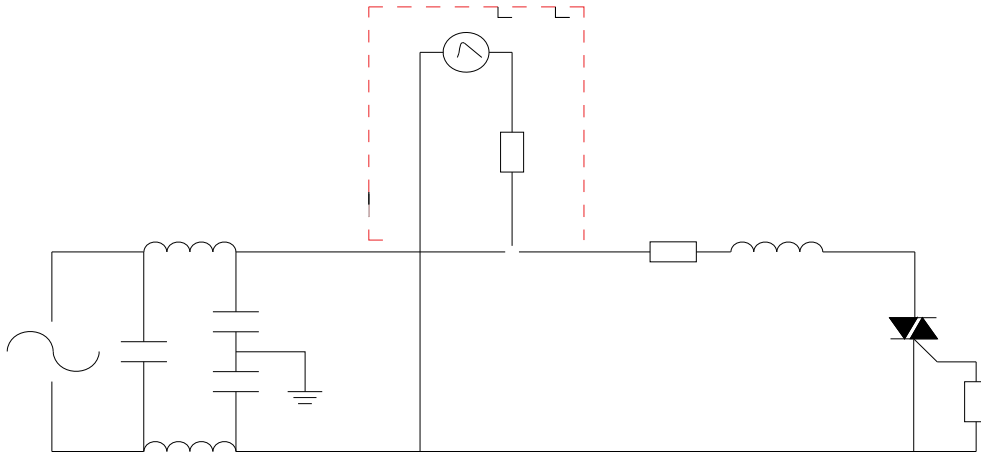


FIG.2: RMS on-state current versus case temperature



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



Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T0835H-8F	800	35	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.10, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

Information furnished in this document is believed to be accurate