



T1610H-6A 16A TRIAC

Rev.A.1.1

DESCRIPTION:

The T1610H-6A 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, T1610H-6A provides a very high switching capability up to junction temperatures of 150°C. It can be driven directly through the MCU I/O port. By using an internal ceramic pad, T1610H-6A provides a rated insulation voltage of 2500 VRMS, complying with UL standard up to $t_{TJ} = 150^{\circ}\text{C}$ at $P_{se} = 1\text{W}$.

Peak gate current ($t_p=20\mu s$, $T_j=150^\circ C$)

ORDERING INFORMATION

<u>T</u>	<u>16</u>	<u>10</u>	<u>H</u>	<u>-6</u>	<u>A</u>
Triacs					A:TO-220A(Ins)
<u>IT(RMS):16A</u>					
	<u>10:IGT1-3</u>	<u>10mA</u>		<u>6:VDRM /VRRM</u>	<u>600V</u>
			<u>High junction temperature</u>		

MARKING

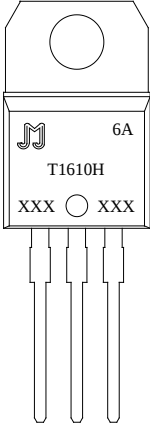
	<u>XXX</u> <u>XXX</u> Year— Month— Production Code
---	---

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

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

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H I- J			
T1610H-6A	600	10	TO-220A(Ins)	50	Tube

Document Revision History

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

PACKAGE MECHANICAL DATA

