



T3035H-6A 30A TRIAC

Rev.A.1.1

DESCRIPTION:

The T3035H-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, T3035H-6A provides a very high switching capability up to junction temperatures of 150°C. By using an internal ceramic pad, T3035H-6A provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-150	
Repetitive peak off-state voltage ($T_j=25^\circ\text{C}$)	V_{DRM}	600	V
Repetitive peak reverse voltage ($T_j=25^\circ\text{C}$)	V_{RRM}	600	V
RMS on-state current ($T_c \leq 89^\circ\text{C}$)	$I_{T(RMS)}$	30	A

Non repetitive surge peak on-state current
(full cycle 2 r 186.7.4 T(R)-6.4 (M-14 (u31 2 r :

ORDERING INFORMATION

<u>T</u>	<u>30</u>	<u>35</u>	<u>H</u>	<u>-6</u>	<u>A</u>
Triacs	$I_{T(RMS)}:30A$				$A:TO-220A(Ins)$
		$35:I_{GT1-3} \leq 35mA$		$6:V_{DRM} / V_{RRM} \geq 600V$	
			High junction temperature		

MARKING

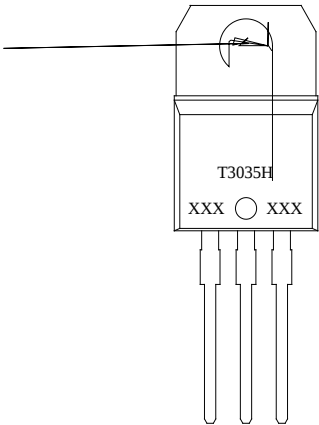


FIG.1: Maximum power dissipation versus RMS on-state current

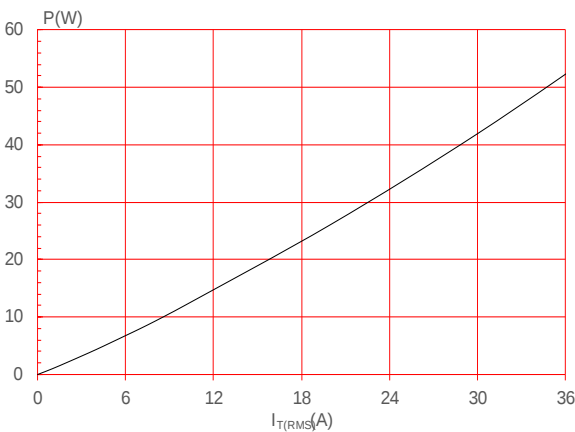


FIG.3: Surge peak on-state current versus number of cycles

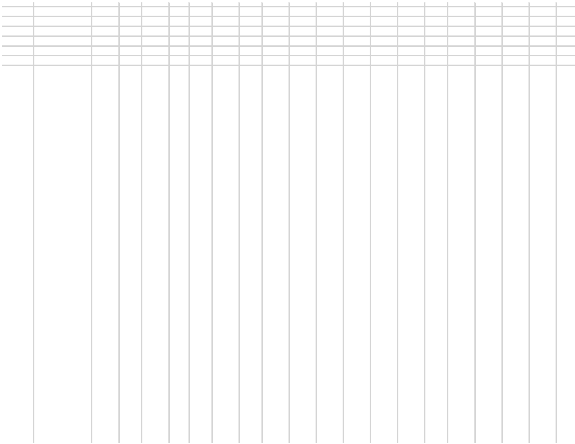


FIG.2: RMS on-state current versus case temperature

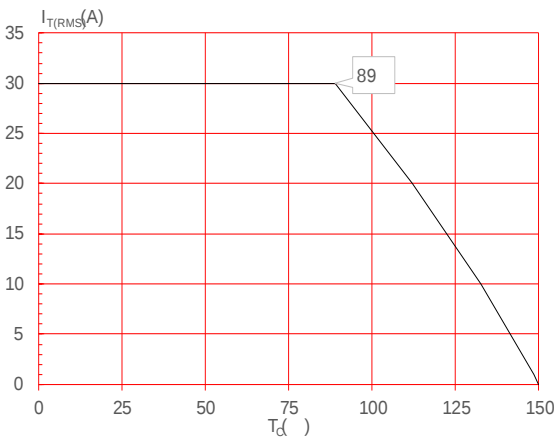
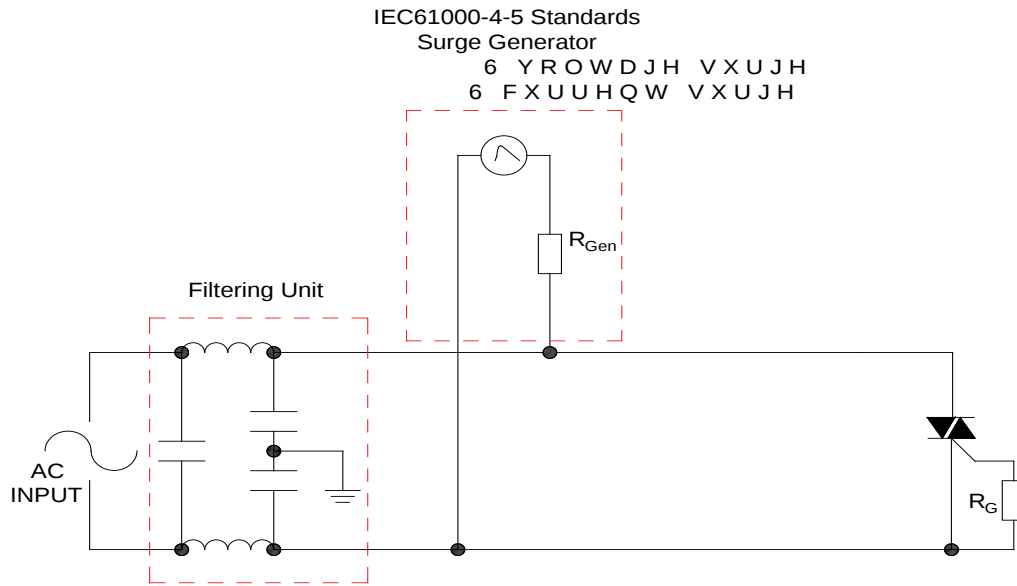


FIG.4: On-state characteristics

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



LEAD FORMING AND SOLDERING

Refer to the application note “Assembly Instructions for Thyristors in Through-hole Package” released by JieJie Microelectronics

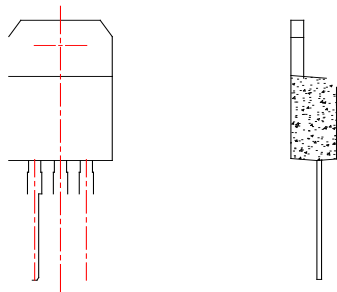
ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
T3035H-6A	600	35	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



T3035H-6A

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