



JST60IS-1600BW 60A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST60IS-1600BW 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. JST60IS-1600BW snubberless triac is especially recommended for use on inductive loads. By using an internal ceramic pad, JST60IS-1600BW provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package ITO-247 is RoHS compliant.

ORDERING INFORMATION

<u>J</u>	<u>ST</u>	<u>60</u>	<u>IS</u>	<u>-1600</u>	<u>BW</u>
JieJie Microelectronics Co., Ltd.	Triacs	<u>IT(RMS):60A</u>			
		<u>IS:ITO-247(Ins)</u>			<u>BW:IGT1-3 50mA</u>
				<u>1600:VDRM /VRRM</u>	<u>1600V</u>

MARKING

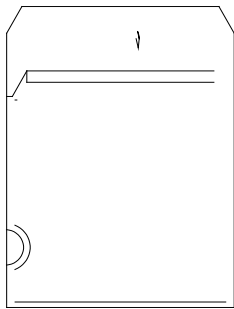


FIG.1: Maximum power dissipation versus RMS on-state current

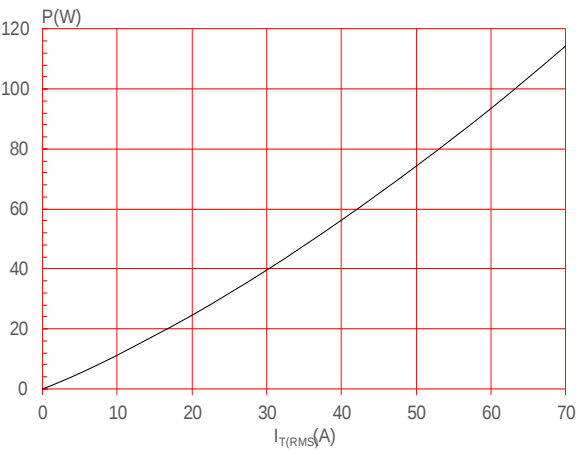


FIG.3: Surge peak on-state current versus number of cycles

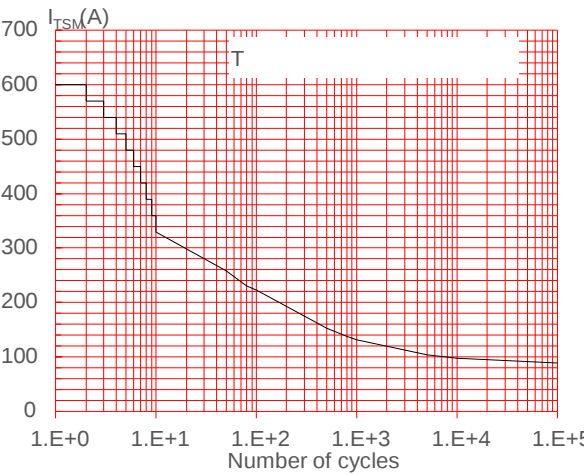


FIG.2: RMS on-state current versus case temperature

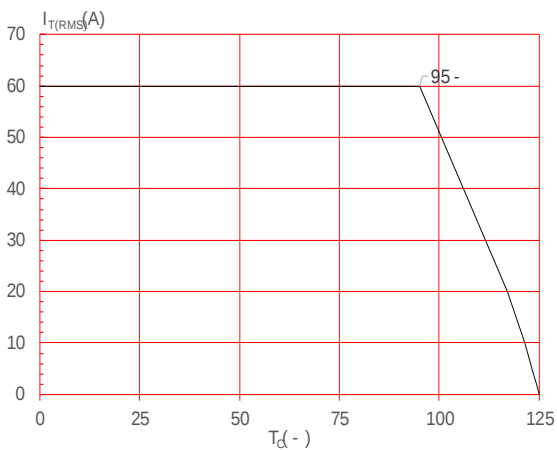


FIG.4: On-state characteristics

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



ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST60IS-1600BW	1600	50	ITO-247(Ins)	25	Tube

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.16, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA



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