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

J	ST	60	IS	-1600	BW
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}$:60A	IS:ITO-247(Ins)	1600:V_{DRM} /V_{RRM} 1600V	BW:I_{GT1-3} 50mA

MARKING

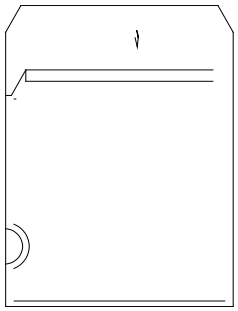


FIG.1: Maximum power dissipation versus RMS on-state current

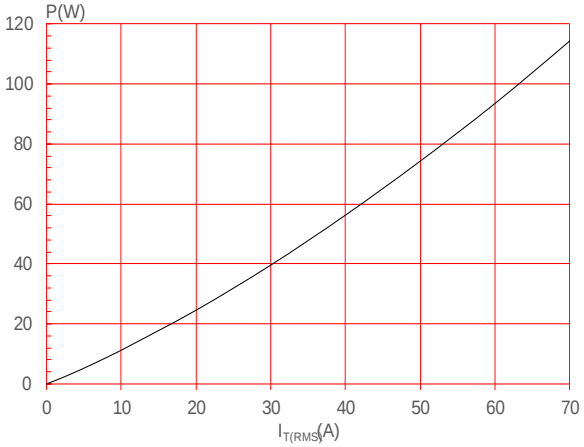


FIG.2: RMS on-state current versus case temperature

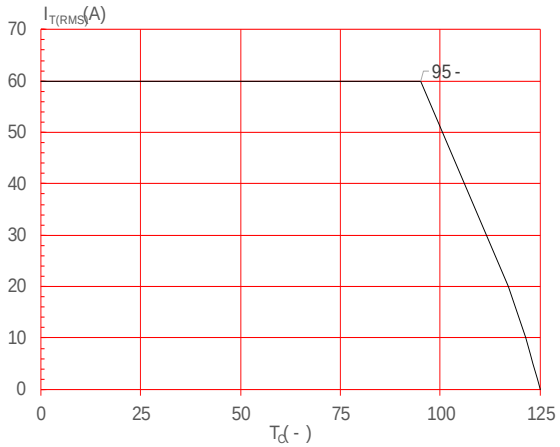


FIG.3: Surge peak on-state current versus number of cycles

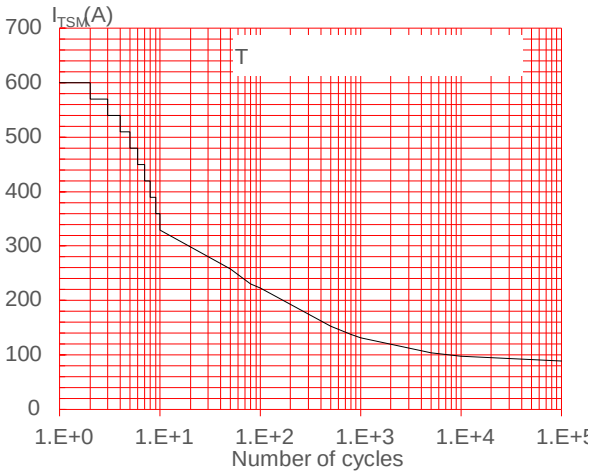


FIG.4: On-state characteristics

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



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{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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