



## JST30E-1600BW 30A TRIAC

Rev.A.1.1

### DESCRIPTION:

The JST30E-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. JST30E-1600BW snubberless triac is especially recommended for use on inductive loads. Package TO-263 is RoHS compliant.

### MAIN FEATURES

### ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T <sub>stg</sub>	-40-150	40

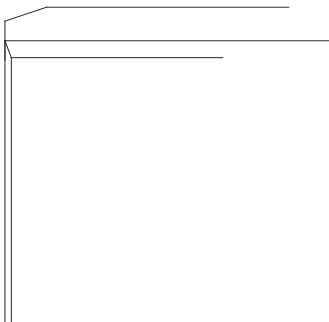
**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
$I_{GT}$	$V_D=12V$ $R_L=33$	-	2.8 re f 26.84 702.72 Tm (L 6481 r20D>T50.04 81.12 7	

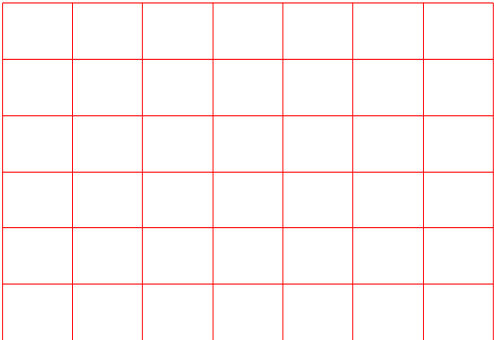
## ORDERING INFORMATION

<b>J</b>	<b>ST</b>	<b>30</b>	<b>E</b>	<b>-1600</b>	<b>BW</b>	<b>-/</b>
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:30A$				Blank:Tube -TR:Tape & Reel
			E:TO-263		BW:IGT1-3 50mA	
				1600:V <sub>DRM</sub> /V <sub>RRM</sub>	1600V	

## MARKING



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



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

**JST30E-1600BW**



**ORDERING INFORMATION**

Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
JST30E-1600BW	1600	50	TO-263	50	Tube
JST30E-1600BW-TR				800	Tape & Reel

**Document Revision History**

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.20, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA





**JST30E-1600BW**

**JieJie M**