



JST08E-800BW 8A TRIAC

Rev.A.1.2

DESCRIPTION:

The JST08E-800BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in

Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.8)	V_{pp}	2.5	kV
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ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33$	- -	MAX.	50	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3k$	- -	MIN.	0.2	V

I_L $I_G=1.2I_{GT}$

ORDERING INFORMATION

	J	ST	08	E	-800	BW	-/
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:8A$		E:TO-263		BW:IGT1-3 050mA	Blank:Tube -TR:Tape & Reel
					800: $V_{DRM}/V_{RRM} 1800V$		

MARKING

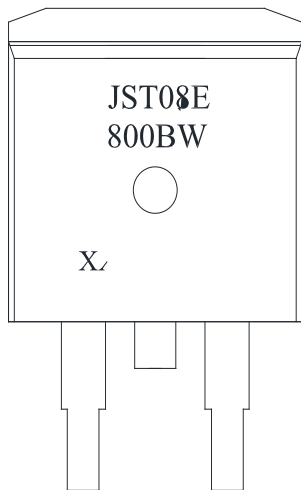


FIG.1: Maximum power dissipation versus RMS on-state current



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

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



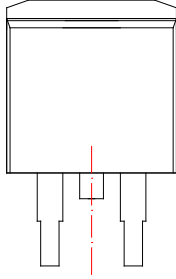
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST08E-800BW	800	50	TO-263	50	Tube
JST08E-800BW-TR				800	Tape & Reel

Document Revision History

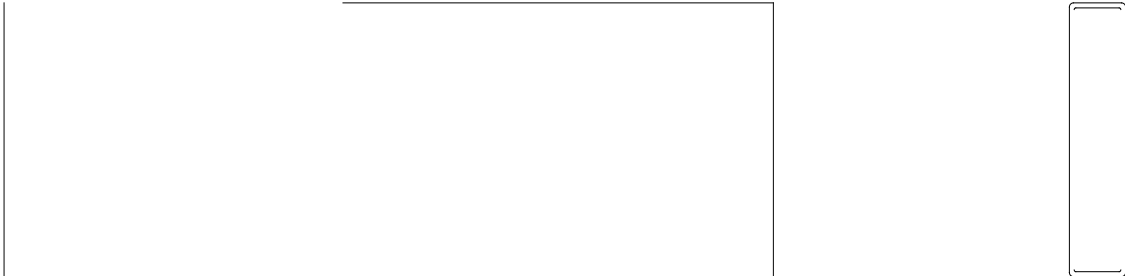
Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Aug.11, 2025	A.1.1	Revise dV/dt & (dl/dt)c
Oct.17, 2025	A.1.2	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	9.90		10.20	0.390		0.402
B	14.70		15.80	0.579		0.622
C	9.40		9.60	0.370		0.378
D	2.40			0.094		
E	1.20		1.50	0.047		0.059
F	0.75		0.85	0.029		0.033

DELIVERY MODE



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