JST08E-800BW 8A TRIAC

Rev.A.1.2

DESCRIPTION:

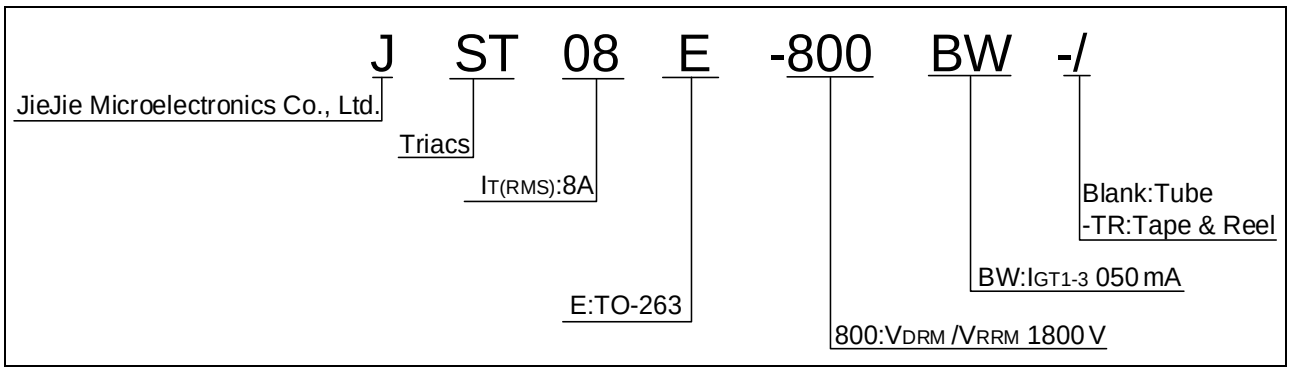
The JST08E-800BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating .222 30 (.222 30)5.9 22 30heatun,10 (/P <</d365.0u365.0s)14 d ( )Tj E .4.89 (-)Tj02 Tw -23.07 -1.5 Td [14appl)6 (w 1.31(C)]TJ 01504 0 45Tc 0.007S)-(.2y).68 m(s)1b50 ID 3 >>BDC

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

ELECTRICAL CHARACTERISTICS (T_j=25 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



MARKING

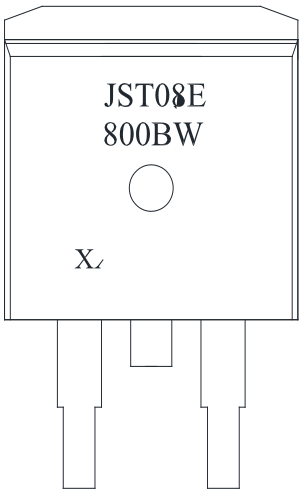


FIG.1: Maximum power dissipation versus RMS on-state current

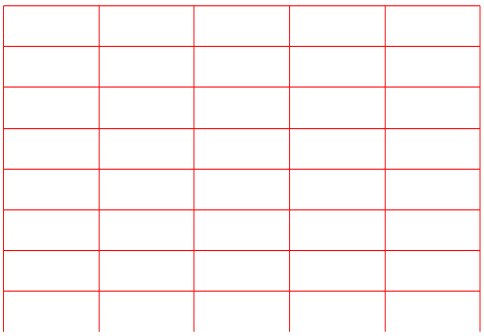
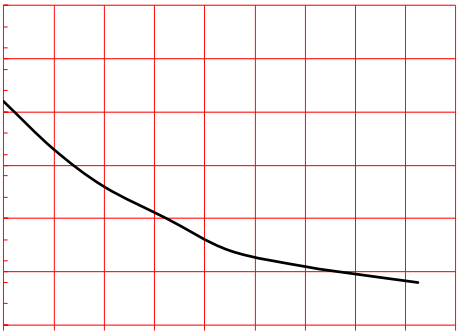


FIG.2: RMS on-state current versus case temperature

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



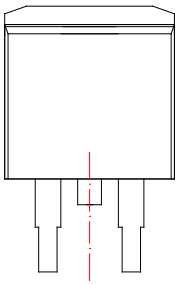
ORDERING INFORMATION

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

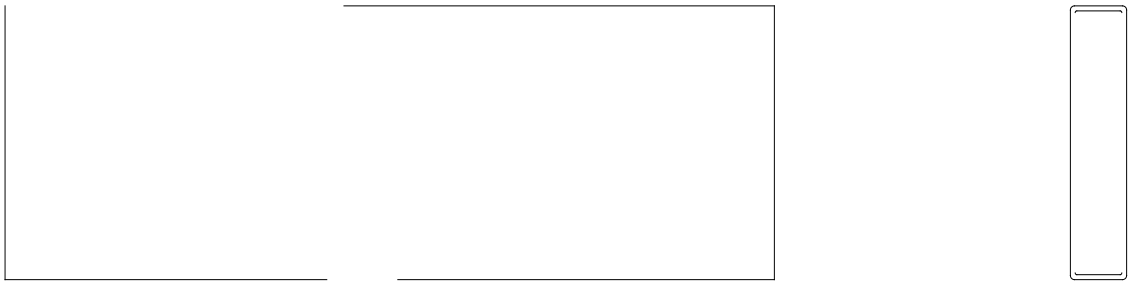
Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Aug.11, 2025	A.1.1	Revise dV/dt & (dI/dt)c
Oct.17, 2025	A.1.2	Revise PACKAGE MECHANICAL DATA

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

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