



JST138E-800D 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST138E-800D 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. Package TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	$T_{st0048mer}$		

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
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I _{GT}	V _D =12V R _L =33Ω	-		
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FIG.1: Maximum power dissipation versus RMS on-state current

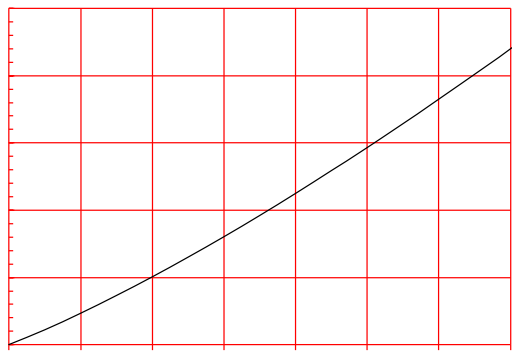
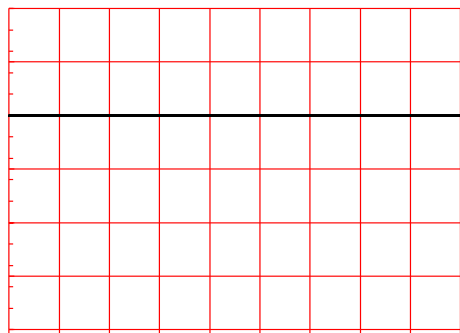


FIG.2: RMS on-state current versus case temperature

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



ORDERING INFORMTON

Order coe	Voltage V _{DRM} /V _{RRM} (V)	IGT(m)		Packag	Base qty. (p	Deliver mode
		H- I- J				
JST138E-800D						

JST138E-800D-TR

Date	Revision	Changes
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Technical drawing of a 12-pin D-sub connector, showing four views: front, top, side, and a detail view of the pin assembly.

Front View (Top Left): Shows the connector's profile with dimensions **A** (width), **B** (height), and **C** (height to the top of the shell).

Top View (Bottom Left): Shows the connector's footprint with dimensions **E** (pin pitch), **F** (pin width), **G** (pin spacing), **D** (pin diameter), and **C1** (pin length).

Side View (Middle Left): Shows the connector's side profile with dimensions **H** (height to the top of the shell), **L** (height to the bottom of the shell), **J** (pin length), and **K** (pin diameter).

Detail View (Bottom Right): Shows a close-up of the pin assembly with dimension **L1** (pin length).

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		2.70	0.094		0.106
E	1.20		1.50	0.047		0.059
F	0.75		0.85	0.029		0.033

DELIVERY MODE



