JST136W-800T 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST136W-800T 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 D . 0

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	ALL	MAX.	5	mA
V_{GT}		ALL	MAX.	1.3	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	-	MAX.	10	mA
		-		15	
I_H	I_T=100mA		MAX.	5	mA
dV/dt	V_D=540V Gate Open T_j=110		MIN.	20	V/μs
(dV/dt)c	(dI/dt)c=1.8A/ms, T_j=110		MIN.	1	V/μs
t_{on}	I_G=10mA y3Tc -0.00404 224.52 535917.92 553.32 105.84 0.004 Tw 1.14 0 Td [(0m)-Td				

ORDERING INFORMATION

J ST 136 W -800 T

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

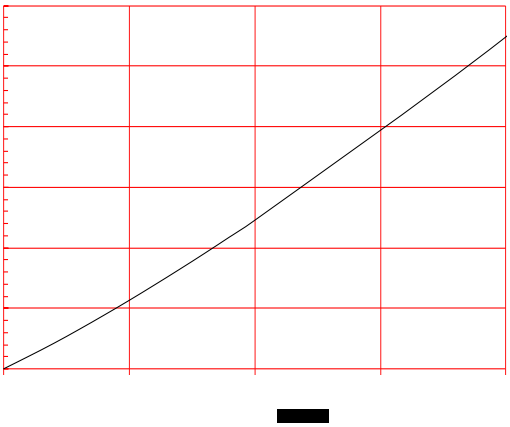
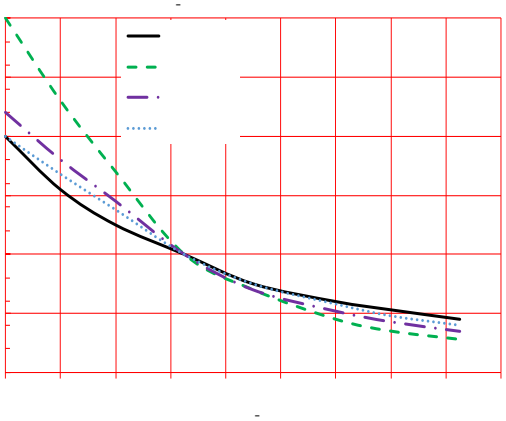


FIG.2: RMS on-state current versus case temperature

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



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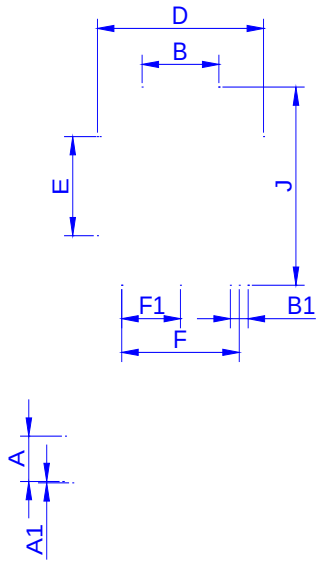
PACKAGE MECHANICAL DATA



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