



JST12E-800B 12A TRIAC

Rev.A.1.1

DESCRIPTION:

12A TRIAC

AC switch

12A

800V

TO-18

Package TO-18

Pin

MAIN FEATURES

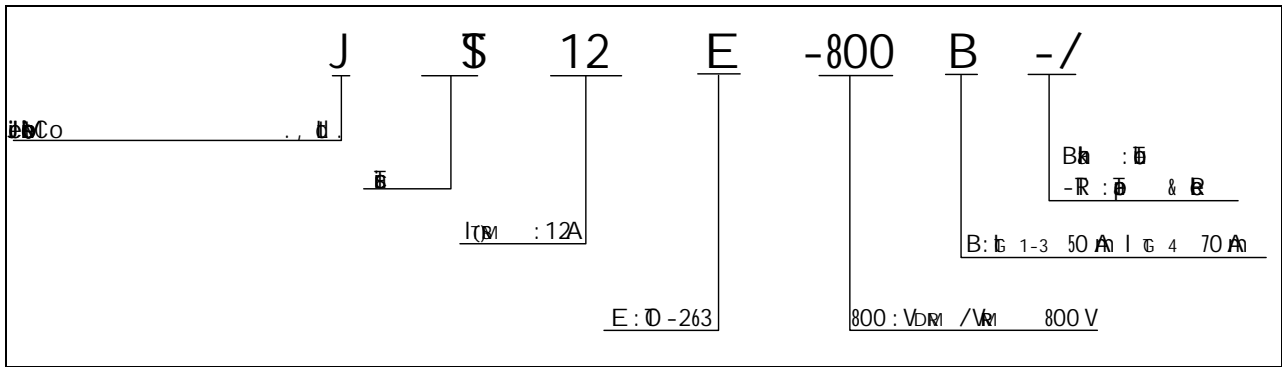
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	$T_s$	-40-150	
Operating temperature	$T_j$	-40-125	
Maximum DC voltage (T <sub>j</sub> = 25 °C)	$V_{DM}$	800	V
Maximum AC voltage (T <sub>j</sub> = 25 °C)	$V_{RM}$	800	V
Maximum DC current (T <sub>c</sub> = 103 °C)	$I_{TM}$	12	A
Maximum surge current (I <sub>avg</sub> , t <sub>p</sub> = 20ms, T <sub>j</sub> = 25 °C)	$I_M$	120	A
Maximum surge current (I <sub>avg</sub> , t <sub>p</sub> = 16.6ms, T <sub>j</sub> = 25 °C)		132	

I<sup>2</sup>



ORDERING INFORMATION



MARKING

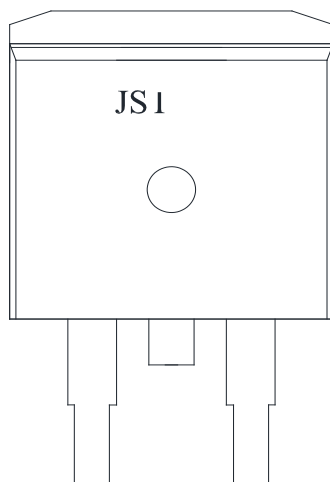


FIG.1: ~~Figure 1~~  
a ~~Figure 1~~

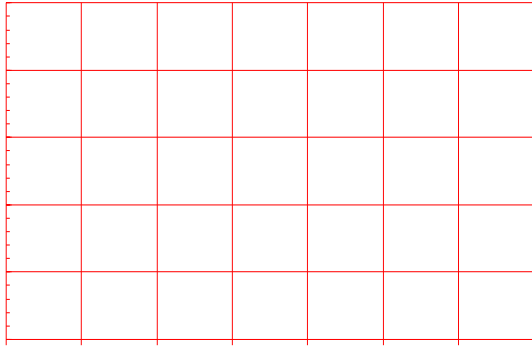
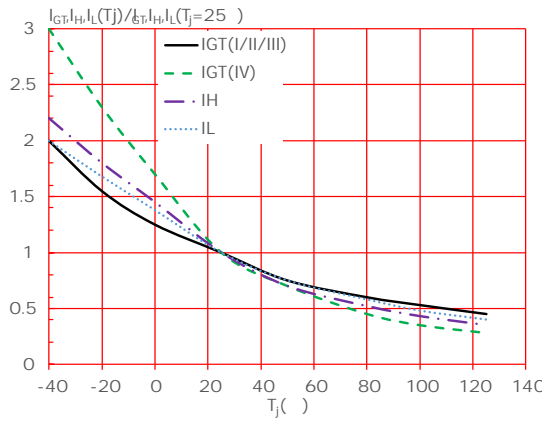


FIG.2: ~~Figure 2~~  
b ~~Figure 2~~

FIG.7: ~~IGT~~ ~~IGT~~

~~IGT~~ ~~IGT~~

~~IGT~~





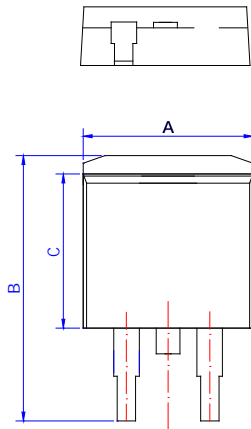
## ORDERING INFORMATION

Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		-	-			
JST12E-800B	800	50	70	TO-263	50	Tube
JST12E-800B-TR					800	Tape & Reel

## Document Revision History

Doc No	Rev	Chg
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PACKAGE MECHANICAL DATA



R	Dim					
	a			b		
	M	μ	M	M	μ	M
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

