JST12E-800B 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST12E-800B is suitable for
AC switching application. It can
be used as an ON/OFF function
in applications such as static
relays, heating regulation,
induction motor starting circuits
or for phase control operation in
high power motor speed
controllers, and other power
switching applications. Package
type TO-263 is available.

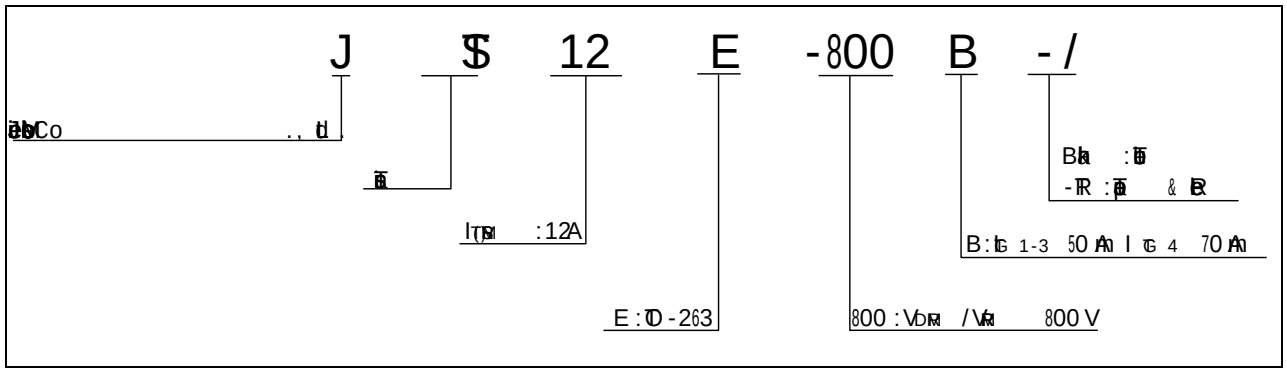
MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature range	T_{stg}	-40~150	
Operating junction temperature range	T_j	-40~125	
Repetitive peak off-state voltage (T$_j$ = 25)	V_{DRM}	800	V
Repetitive peak reverse voltage (T$_j$ = 25)	V_{RRM}	800	V
RMS on-state current (T$_C$ 103)	$I_{T(RMS)}$	12	A
Non repetitive surge peak on-state current (full cycle, t$_p$ = 20ms, T$_j$ = 25)	I_{TSM}	120	A
Non repetitive surge peak on-state current (full cycle, t$_p$ = 16.6ms, T$_j$ = 25)		132	
I^2			

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ORDERING INFORMATION



MARKING

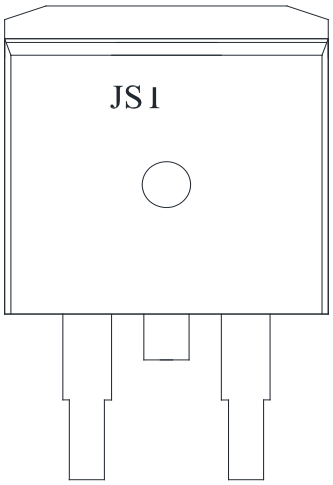


FIG.1:

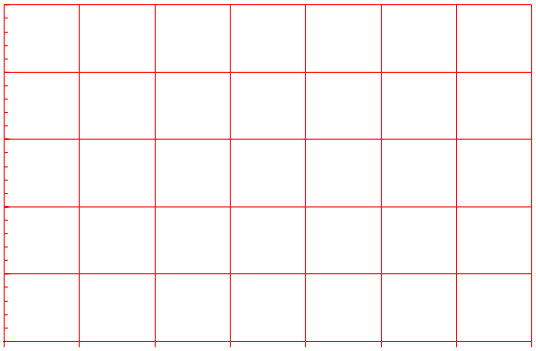
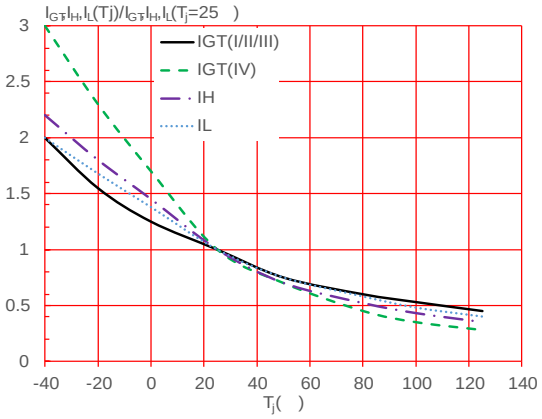


FIG.2:

FIG.7: Ba


IGT,IH,IL(Tj)/IGT,IH,IL(Tj=25)
IGT(I/II/III)
IGT(IV)
IH
IL
3
2.5
2
1.5
1
0.5
0
-40
-20
0
20
40
60
80
100
120
140
Tj( )

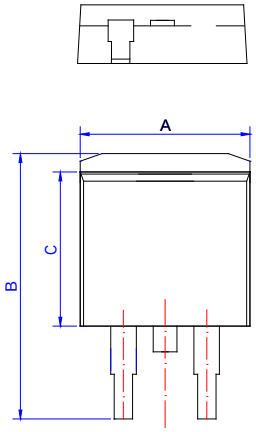
ORDERING INFORMATION

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

Da	R	Ch

PACKAGE MECHANICAL DATA



Dim						
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
	0.75		0.85	0.029		0.033