JST136F-800E 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST136F-800E 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. By using an external plastic package, JST136F-800E provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction 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 86)	$I_{T(RMS)}$	4	A

	P_{GM}	5	W
.7)	V_{pp}	3.5	kV

25 unless otherwise specified)

Quadrant	Value		Unit
- -	MAX.	10	mA
		25	
ALL	MAX.	1	V
ALL	MIN.	0.2	V
-	MAX.	20	mA
-		30	
	MAX.	25	mA
10	MIN.	250	V/μs
	MIN.	6	V/μs
mA	TYP.	1.5	μs
		15	

eter	Value(MAX.)	Unit
T_j=25 7	1.7	V
T_j=125	0.94	V
T_j=125	124	mΩ

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

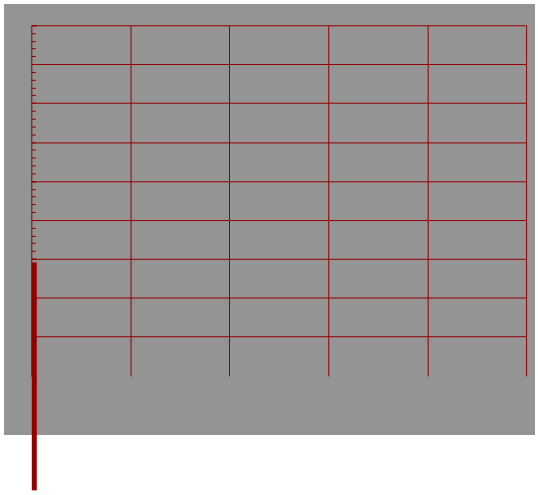
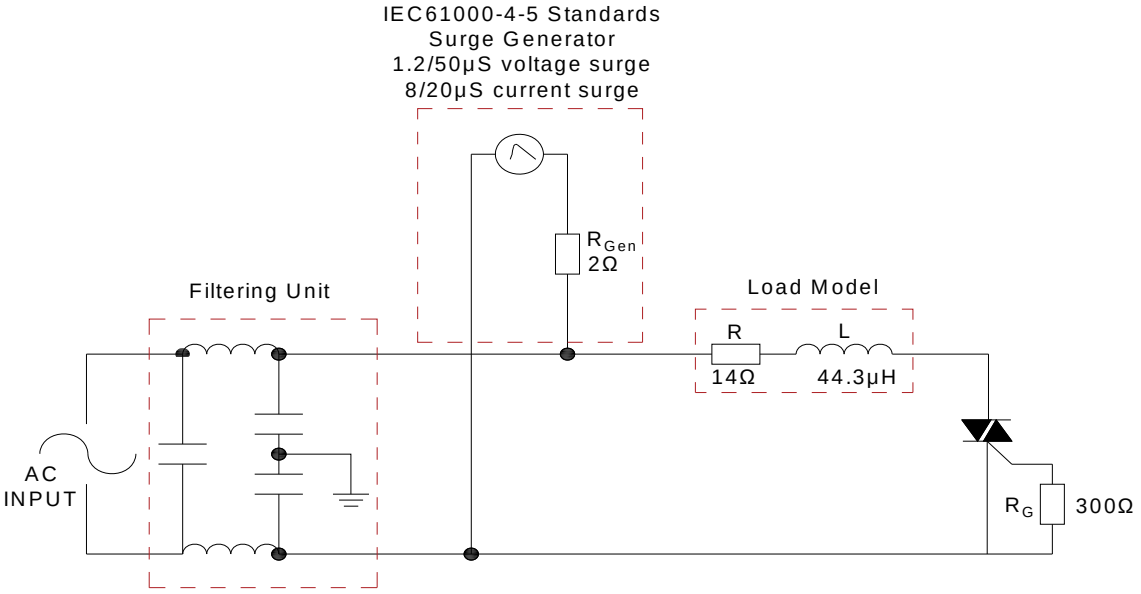


FIG.2: RMS on-state current versus case temperature

FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



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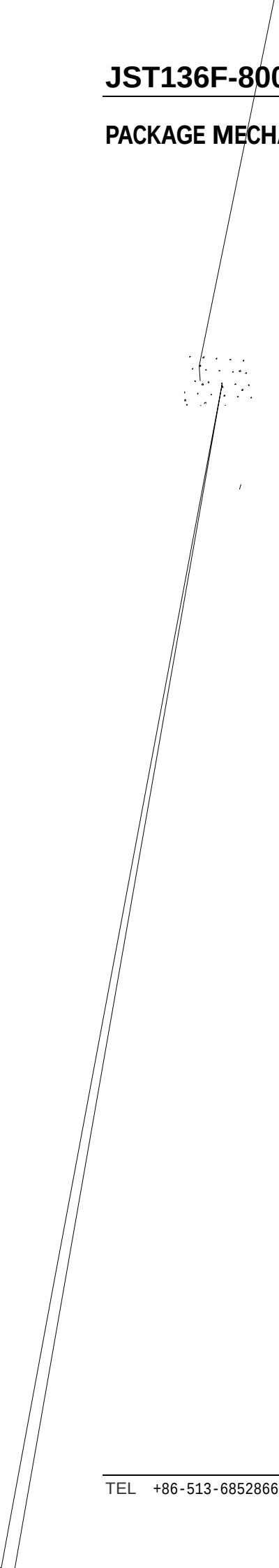
PACKAGE MECHANICAL DATA



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