



## JST24F-800CW 25A TRIAC

Rev.A.1.1

### DESCRIPTION:

The JST24F-800CW 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. JST24F-800CW snubberless triac is especially recommended for use on inductive loads. By using an external plastic package, JST24F-800CW 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

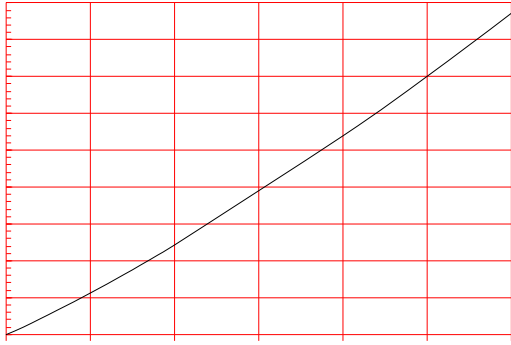
Parameter	Symbol	Value	Unit
Storage junction temperature range	$T_{stg}$	-40-150	
Operating junction temperature range	$T_j$	-40-125	
Repetitive peak off-state voltage (T <sub>B</sub> )	M	N	A e

# JST24F-800CW

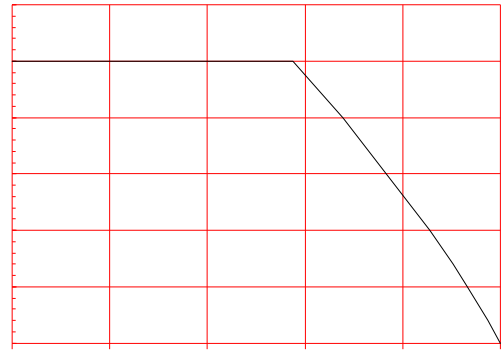
Peak gate power	$P_{GM}$	10	W
Peak pulse voltage (TP			



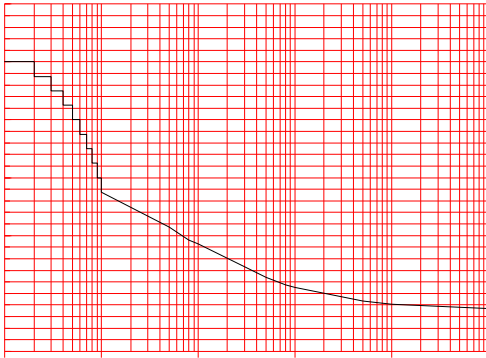
**FIG.1:** Maximum power dissipation versus RMS on-state current



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

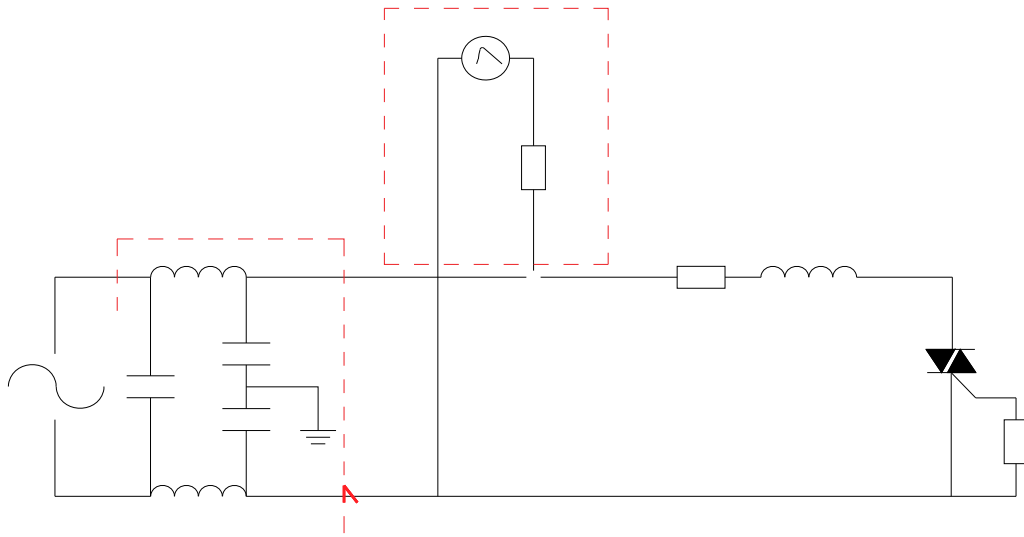


**FIG.3:** Surge peak on-state current versus number of cycles



**FIG.4:** On-state characteristics

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



## ORDERING INFORMATION


Order code	Voltage $V_{DRM}/V_{RRM}(V)$	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST24F-800CW	800	35	TO-220F(I/eI-É	f « q	

**PACKAGE MECHANICAL DATA**



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