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 & ˘ M Γ Ă Ł Ť > ظم e'			

l€l 1 7 l H ... 7 0‹ïP0 @ ”dEtP!) V ”P•È 0

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



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

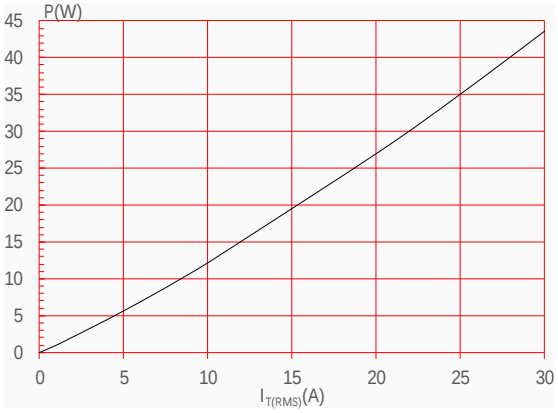


FIG.2: RMS on-state current versus case temperature

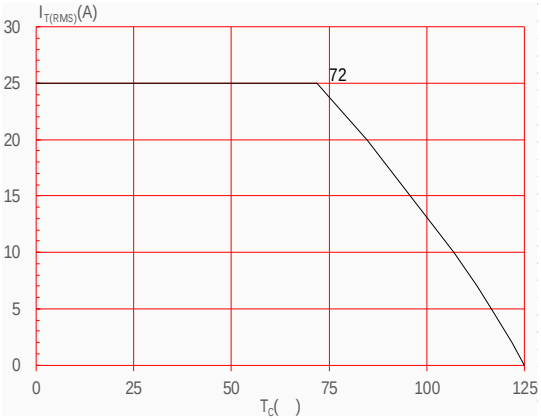


FIG.3: Surge peak on-state current versus number of cycles

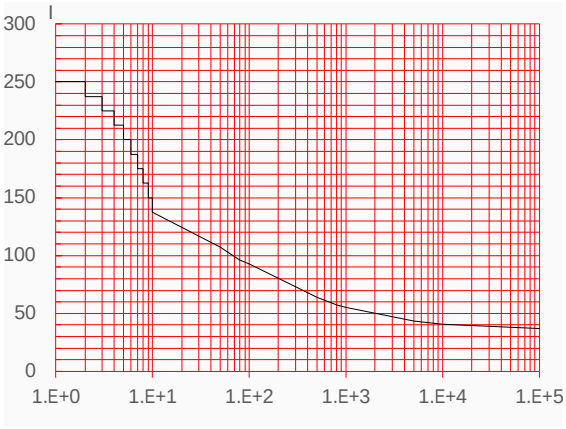
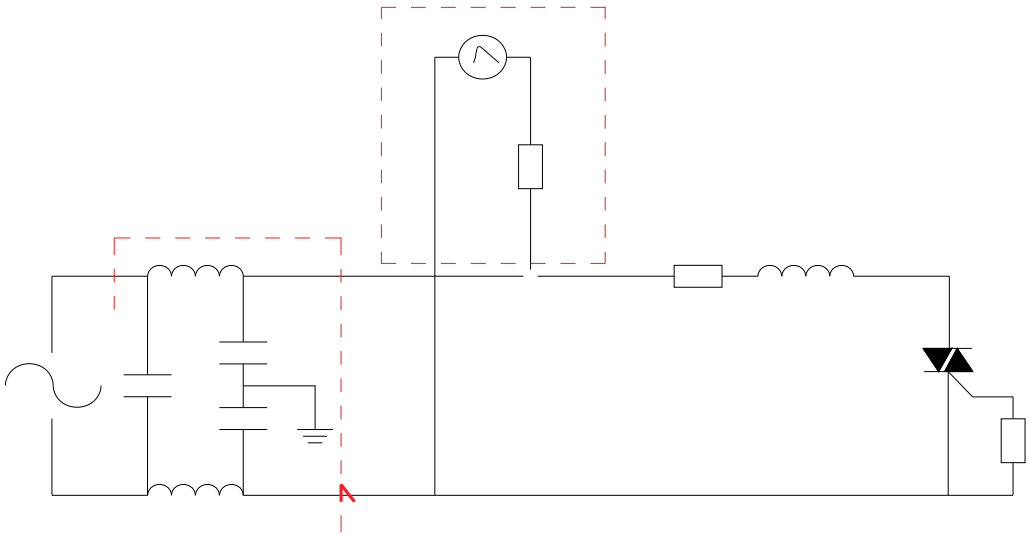


FIG.4: On-state characteristics

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



PACKAGE MECHANICAL DATA



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