JST30E-800CW 30A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST30E-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. JST30E-800CW snubberless triac is especially recommended for use on inductive loads. Package TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating			

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	2.5	kV /Pag

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condi /Pagti	Qdrant	Value	Uni
I_{GT}	V_D=12V R_L=33Ω		MAX 25	

ORDERING INFORMATION :I)02 Tw/TT3 1 Tf -0.02 T -004N 0680.045Tw 0.9:

J ST 30 E -800 CW -/

JieJie Microelectronics Co., Ltd.

Triacs

CW:I_{GT1-3} 35mA

800:V_{DRM} /V_{RRM} 800V

FIG.1: Maxi 79772 cLtd.

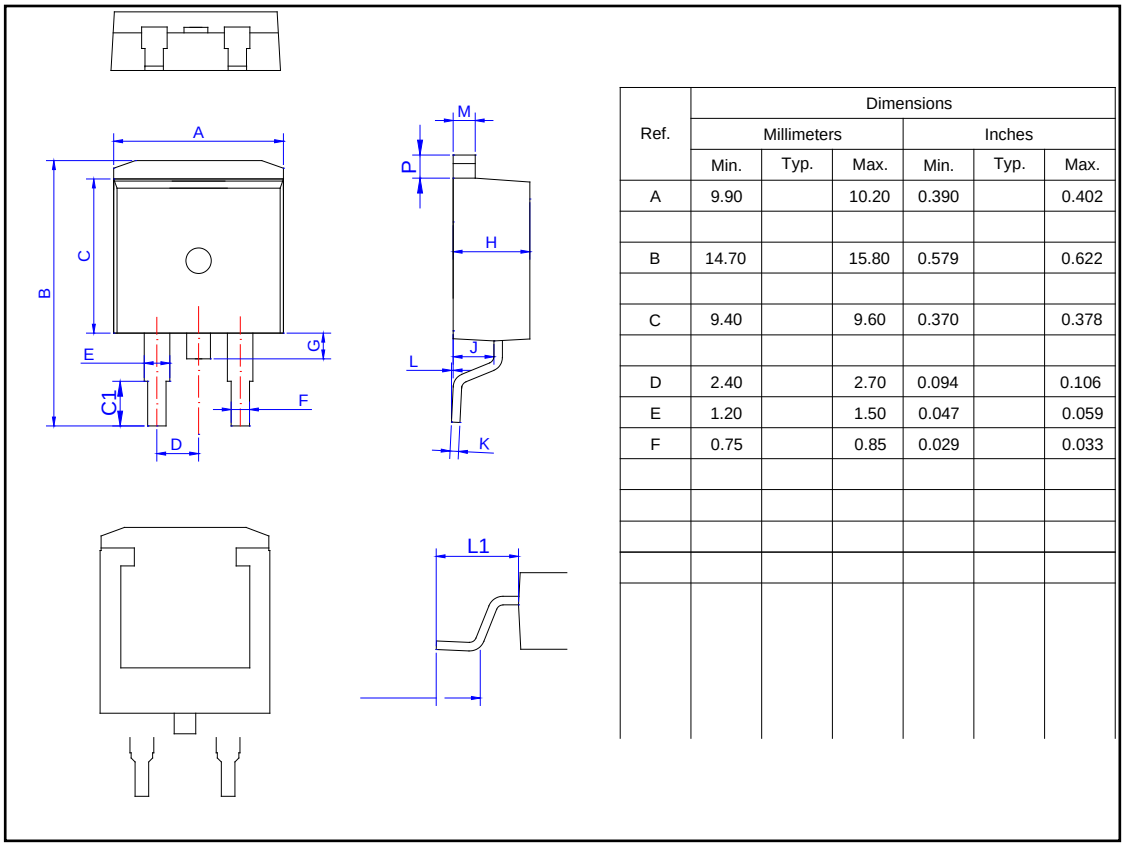
FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

FIG.8: Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



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PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
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		2.70	0.094		0.106
E	1.20		1.50	0.047		0.059
F	0.75		0.85	0.029		0.033

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie