JST136C-800D 4A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST136C-800D 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. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	5	mA
				10	
V_{GT}		ALL	MAX.	1	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	-	MAX.	15	mA
		-		25	
I_H	I_T=100mA		MAX.	15	mA
dV/dt	V_D=540V Gate Open T_j=110		MIN.	100	V/μs
(dV/dt)c	(dI/dt)c=1.8A/ms, T_j=110		MIN.	2.5	V/μs
t_{on}	I_G=20mA I_A=200mA I_a<</MCID 64 >>BDC .44 501d [Tm [(=)-1 (2)]TJ -0.001 Tc 0.001 Tw 1.14 0 Td [(0m)-3 (A)]TJ 0 Tc 0 T				

ORDERING INFORMATION

J	ST	136	C	-800	D
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}$:4A	C:TO-220C	800:V_{DRM} /V_{RRM} 800V	D:I_{GT1-3} 5mA I_{GT4} 10mA

MARKING

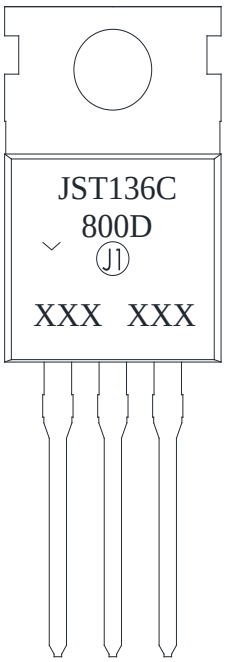
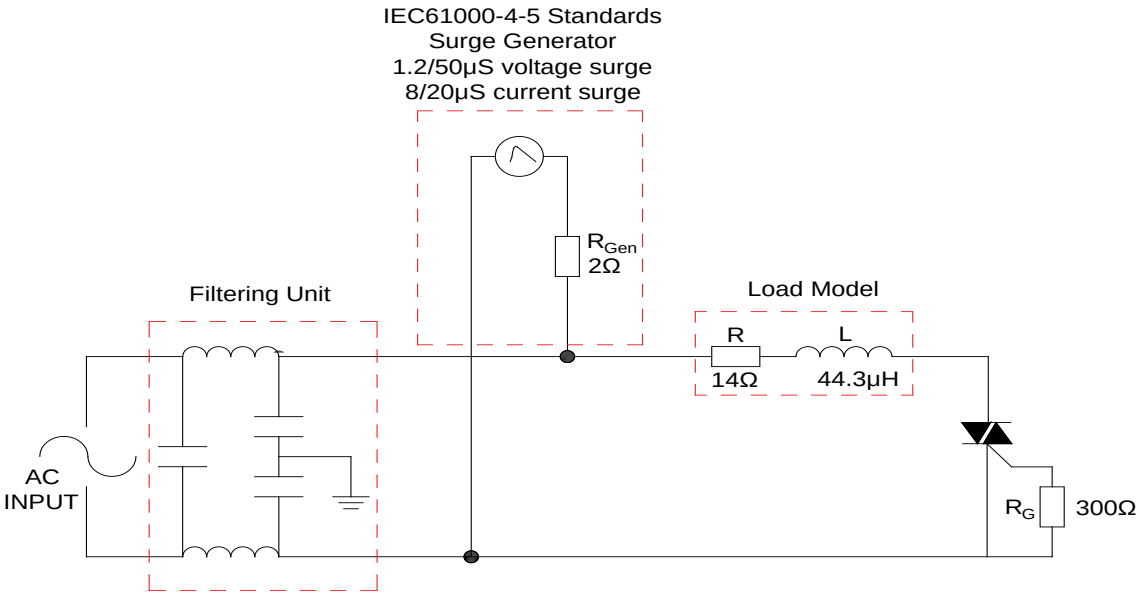


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



PACKAGE MECHANICAL DATA



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