JST24F-800C 25A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST24F-800C triac is suitable for general purpose AC switching. It can be used as an ON/OFF function

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	2	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	25	mA
				50	
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.	70	mA
				100	
I_H	I_T=500mA		MAX.	60	mA
dV/dt	V_D=540V Gate Open T_j=125		MIN.	500	V/μs
(dV/dt)c	(dI/dt)c=13.3A/ms, T_j=125		MIN.	6	V/μs
[redacted]	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	3	μs
t_{off}				50	

[redacted]

STATIC CHARACTERISTICS

Symbol [redacted]	Parameter	Value(MAX.)	Unit

[redacted]

[redacted]

ORDERING INFORMATION

J ST 24 F -800 C

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

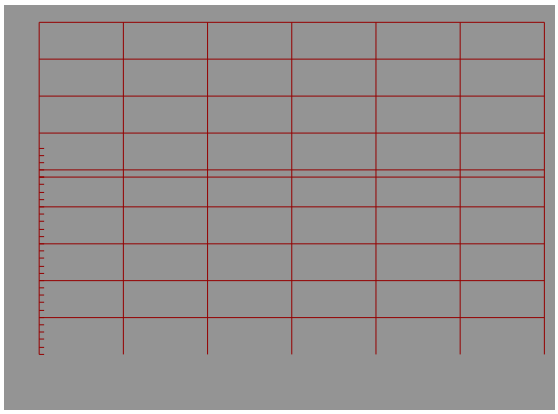
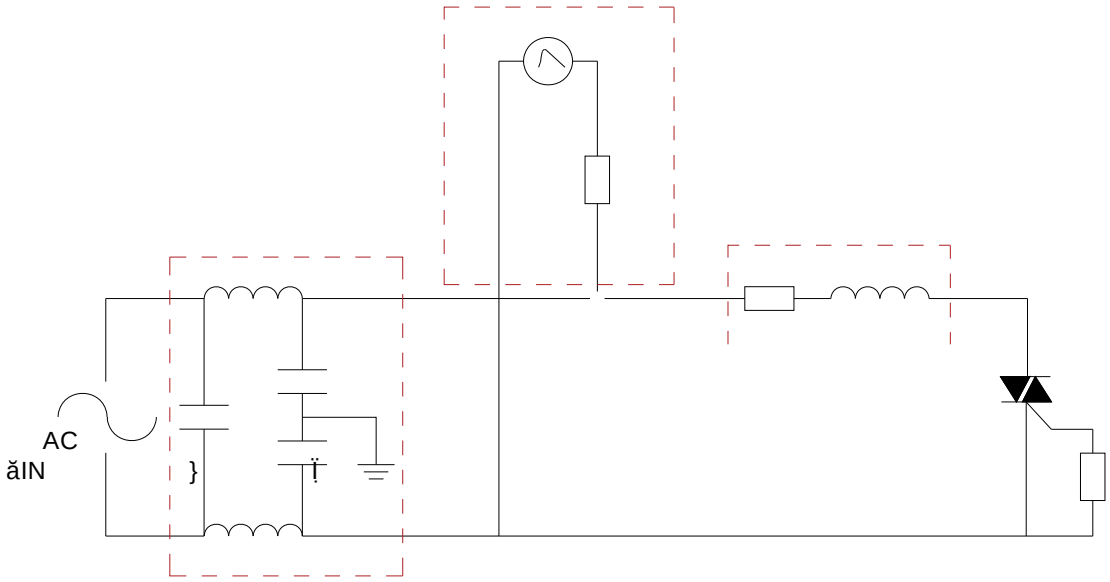


FIG.2: RMS on-state current versus case temperature

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



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