



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
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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
	I _G =80mA I _A =400mA I _R =40mA		TYP.	3	μs
t _{off}	T _j =25			50	

STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
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ORDERING INFORMATION

J ST 24 F -800 C



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

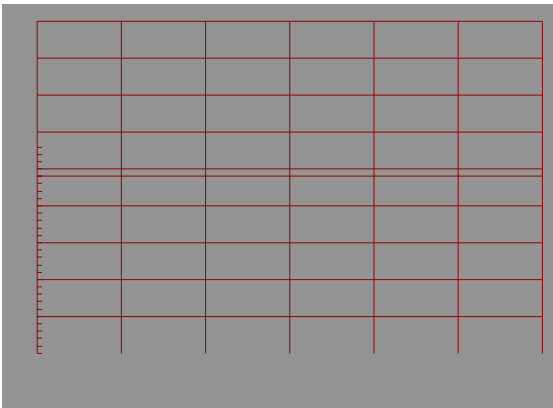
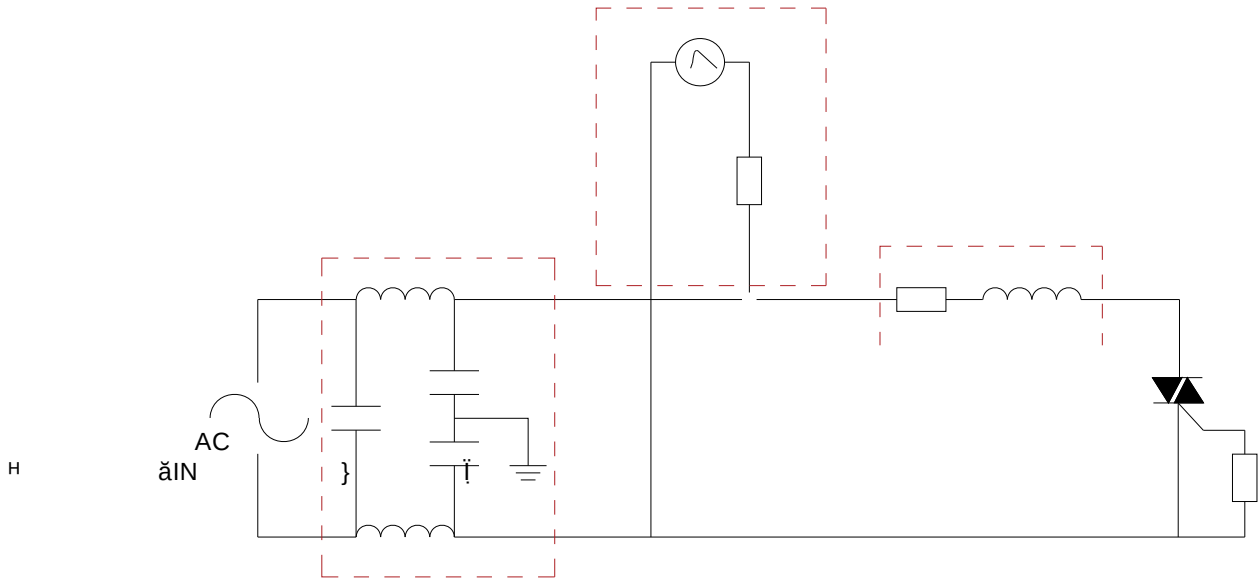


FIG.2: RMS on-state current versus case temperature



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





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