JST24F-800B 25A TRIAC

The JST24F-800B 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. By using an external plastic package, JST24F-800B provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.

MMZG] FR

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

(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	50	mA
				7 0	
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.	80	mA
				120	
I_H	I_T=500mA		MAX.	80	mA
dV/dt	V_D=540V Gate Open T_j=125		MIN.	1000	V/μs
(dV/dt)c	(dI/dt)c=13.3A/ms, T_j=125		MIN.	12	V/μs
t_{on}	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	3	μs
t_{off}				50	

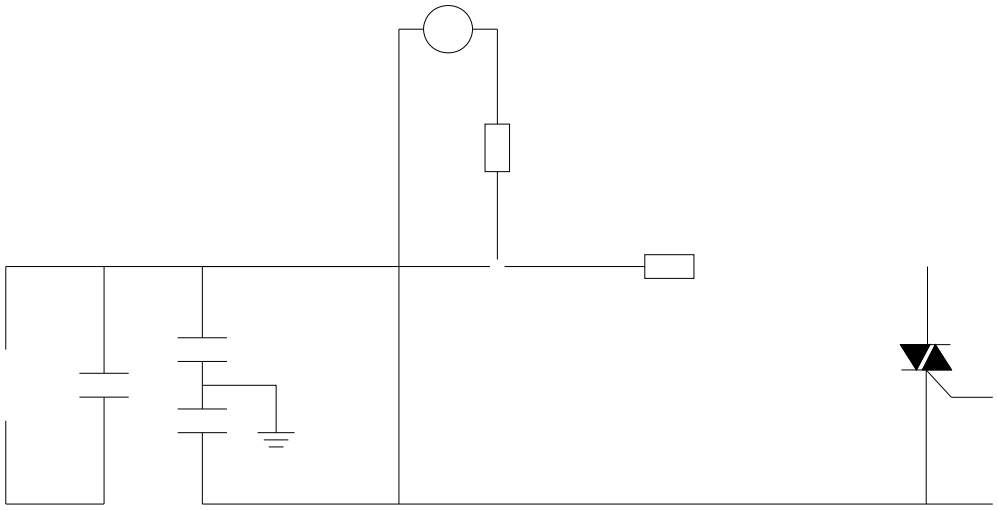
Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=35A t_p=380μs	T_j=25	1 .5	V
V_{TO}	Threshold voltage	T		

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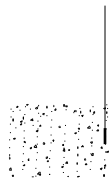
FIG.1: Maximum power dissipation versus RMS on-state current

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

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



Order code	V



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