JST08K-600B 8A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST08K-600B triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as Oc -0.0asngngatienthiacati ( )10m(R)/oB

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33	- -	MAX.	50	mA
				70	
V_{GT}		ALL	MAX.	1	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3k	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	- -	MAX.	50	mA
				100	
I_H	I_T=200mA		MAX.	60	mA
dV/dt	V_D=400V Gate Open T_j=125		MIN.	1200	V s
(dV/dt)c	(dI/dt)c=3.5A/ms, T_j=125		MIN.	12	9 V
t_{on}	I_G=80mA I_A=400mA I_R=40mA T_j=25		TYP.	5	s
t_{off}				30	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=11A t_p=380 s	T_j=25	1.5	V
V_{TO}	Threshold voltage	T_j=125	0.8	V
R_D	Dynamic resistance	T_j=125	44	P
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25	5	A
I_{RRM}		T_j=125	0.25	mA

THERMAL RESISTANCES

Symbol

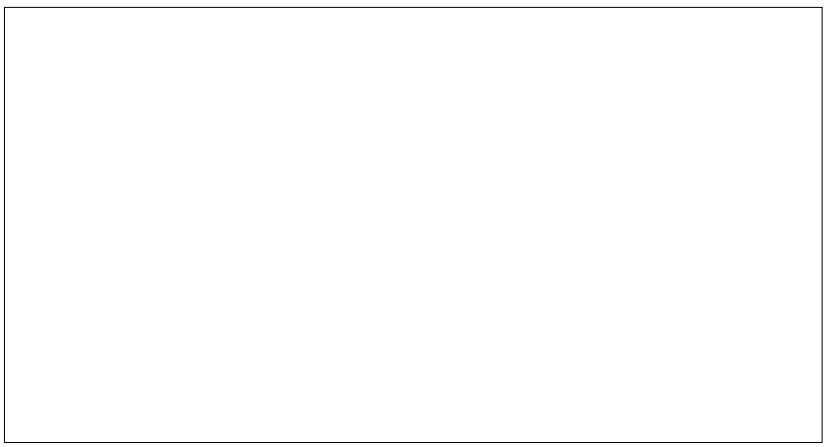
FIG.1: Maximum power dissipation versus RMS on-state current

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

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

PACKAGE MECHANICAL DATA

Ref.	Dimensions	
	Millimeters	Inches



DELIVERY MODE

