

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 (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

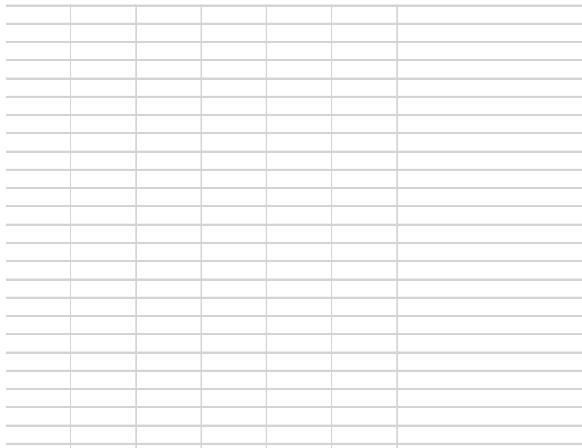


FIG.2: RMS on-state current versus case temperature

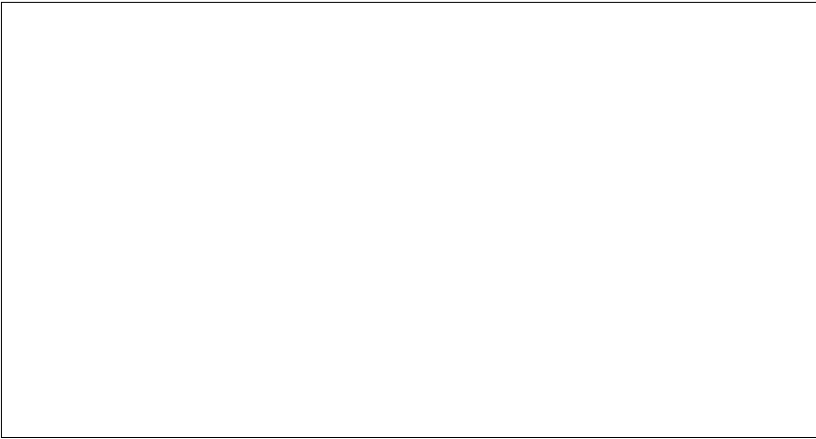
FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature





PACKAGE MECHANICAL DATA

Ref.	Dimensions	
	Millimeters	Inches



DELIVERY MODE

