JST12F-600BW 12A TRIAC

Rev.A.1.1

DESCRIPTION:

7KH -67) %: WULDF LV VXLWDEOH IRU JHQHUDO SXUSRV
VZLWFKLQJ ,W FDQ21E2H))XVHGWVRQQLQ DSSOLFDWLRQV
VXFK DV KHDWLQJ UHJXODWRUV PRWRU VSHHG FRQWURO
SKDVH FRQWURO RSHUDWLRQ HWF
-67) %: VQXEEHUOHVV WULDF LV HVSHFLDOO\ UHFRPPHQ
XVH RQ LQGXFWLYH RDG[WH%UQXOL SODVWLF SDFNDJH
-67) %: SURYLGHV D UDWHG LQVXODWLRQ YROWDJH RI
9506 FRPSO\LQJ ZLWK 8/ VWDQGDUGV)LOH UHI (
3DFNDJH 72) LV 5R+6 FRPSOLDQW

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
6WRUDJH MXSQHFWLWRXQUWHUDQJH	VWJ	7	
2SHUDWLQJWHXQSHWULRQXUHUDQJH	UDQJH	7	W

3HDN JDWH SRZHU	3* 0		:
3HDN SXOVH YROWDJH 7M QRQ UHSHWLWLYH RII VWDWH),*	9SS		

ELECTRICAL CHARACTERISTICS 7M XQOHVV RWKHUZLVH VSHFLILHG

Symbol	Test Condition	Quadrant	Value		Unit
,* 7	9' 9 5		0 $;		P $
9* 7			0 $;		9
9* '	9' 9'50 7M 5/ N		0 , 1		9
,/	,* *;7		0 $;		P $
,+	,7 P $		0 $;		P $
G 9 GW ' 99 *DWH 2SHQ 7			0 , 1		9 V
G , GW F G9 GW F 9 V			7 0 , 1		$ PV
WGQ	,* P $ $, P $ 5, P $ 7M		7 < 3		V
WGII					

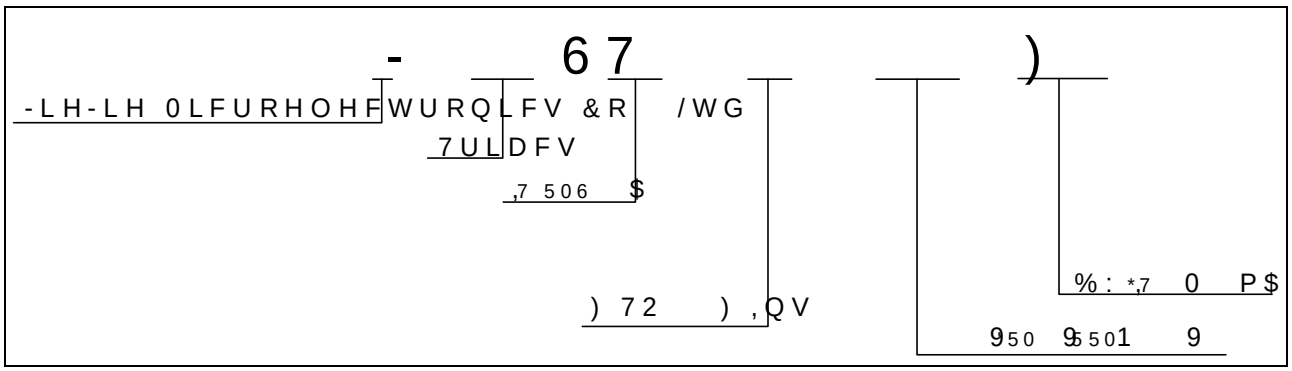
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
970	70 $,W V	7M		
972	7KUHVKROG YROWDJH	M	7	
5'	'\QDPLF UHVLVWDQFH	M	7	P
,'50	9' 9'50 9 9550	7M		
,550		7M		

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
5WK M F	MXQFWLRQ WR FDVH $&		:
5WK M D	MXQFWLRQ WR DPELHQW $&		:

ORDERING INFORMATION



MARKING

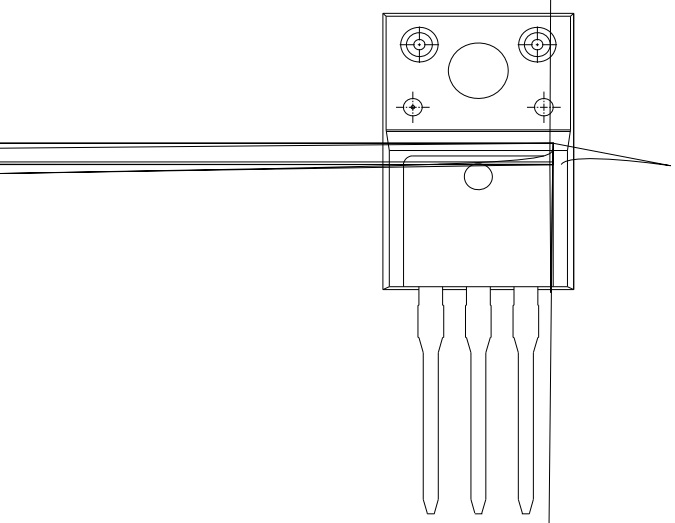
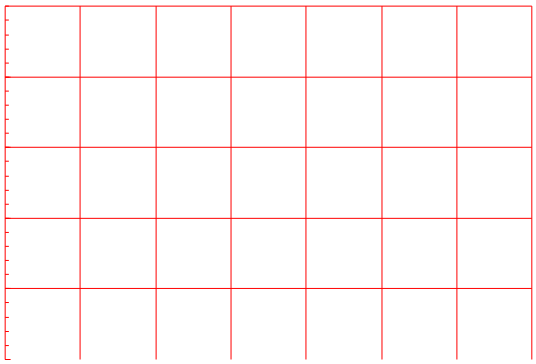
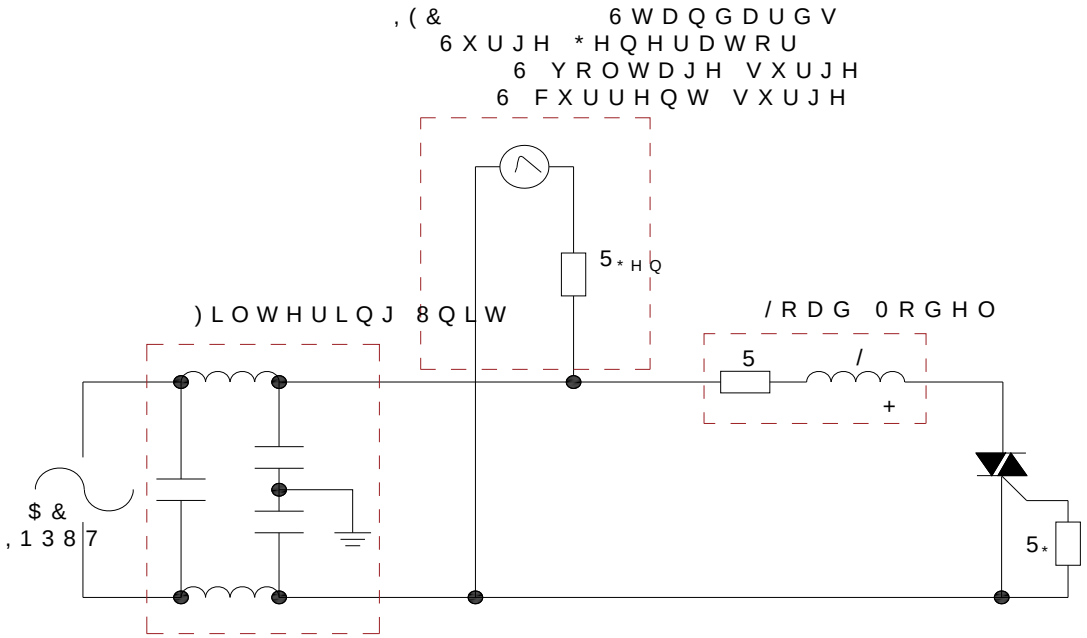


FIG.1: 0D[LPXP SRZHU GLVVLSDWLRQ YHUVXV 5RQ VWDWH FXUUHQW YH
RQ VWDWH FXUUHQW

FIG.2: VXUJH 5RQ VWDWH FXUUHQW YH
WHPSHUDWXUH



)LJ * Ö 7HVW FLUFXLW IRU LQGXFWLYH DQG VZLWFKLQJ GHYLFH OR



LEAD FORMING AND SOLDERING

5HIHU WR WKH DSSOLFDWLRQ QRWHV RQ WHFKQLTXHV DQG UHFRPPHQGDWLRQV IRU OHDG IRUPLQJ DQG VROGHULQJ WR HQVXUH UHOLDEOH DQG VDIH RSHUDWLRQ

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		∫ - ↿ - t			
JST12F-600BW	600	50	TO-220F(Ins)	50	Tube

Document Revision History

'DWH	5HYLVLRQ	&KDQJHV
$SU	$	/DVW XSGDWHG
2FW	$	5HYLVHG.3*(0(&+$1,&$/'7

,QIRUPDWLRQ IXUQLVKHG LQ WKLV GRFXPHQW LV EHOLHYHG WR EH DFFXUDWH
-LDQJVX -LH-LH 0LFURHOHFWURQLFV &R /WG DVVXPHV QR OLDELOLW\ UHVXOWLQJ IURP DQ\ XVH
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRU VXFK LQIRUPDWLRQ