



JST12F-600BW 12A TRIAC

Rev.A.1.1

DESCRIPTION:

7KH -67) %: WULDF LV VXLWDEOH IRU JHQUHO SXUSRV
VZLWFKLQJ ,W FDQ 1E2)XW HGF VVRDQLQ DSSOLFDWLRQV
VXFK DV KHDWLQJ UHLJQ DQWLRQ VWDUWLQJ FLUFXLWV
SKDVH FRQWURQ BSHKUDVGLRQHUV PRUWRU VSHHG FRQWURO
-67) %: VQXEEHUOHVV WULDF LV HVSHFLDOO\ UHFRPPHO
XVH RQ LQGXFWLQH ORDG[W H%QDLSODVWLF SDFNDJH
-67) %: SURYLGHV D UDWHG LQVXODWLRQ YROWDJH RI
9506 FRPSOLQJ ZLWK 8/ VWDQGDUGV)LOH UHI (3DFNDJH 72) LV 5R+6 FRPSOLDQW

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
6WRUDJH MXSHFWLWXUWHLPDQJHVWJ		7	
2SHUDWLQJWKFSHWLDRQXUH	UDQJH	7	W



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

ELECTRICAL CHARACTERISTICS 7M XQOHVV RWKHUZZLVH 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 G 9 GW F 9 V			7 0, 1		\$ P V
WQ	,* P\$ \$, P\$ 5, P\$ 7M		7 < 3		V
WII					

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
970	70 \$ W V	7		
972	7 KUHVKROG YROWDJH	7		
5,	'\QDPLF UHVLVWDQFH	7		P
,50	9, 9.50 \$ 9550	7M		
,550		7M		

THERMAL RESISTANCES

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



ORDERING INFORMATION

-	6 7	)
-LH-LH 0LFURHOHF	WURQLFV &R /WG	
	7ULDFV	
	,7 506 \$	
	) 72) ,QV	
		% : *.7 0 P\$
		950 9501 9

MARKING

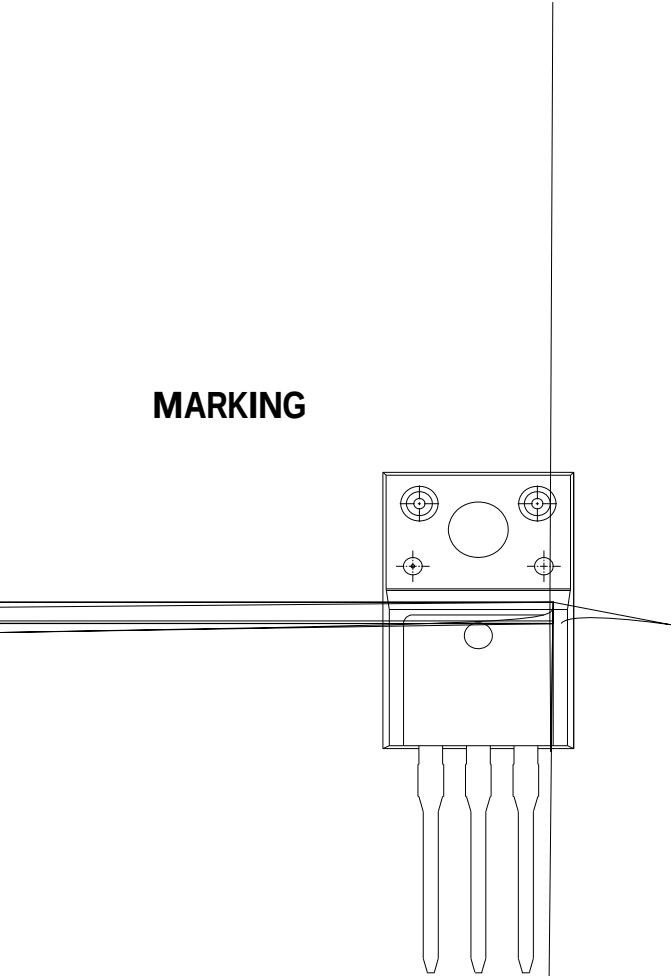
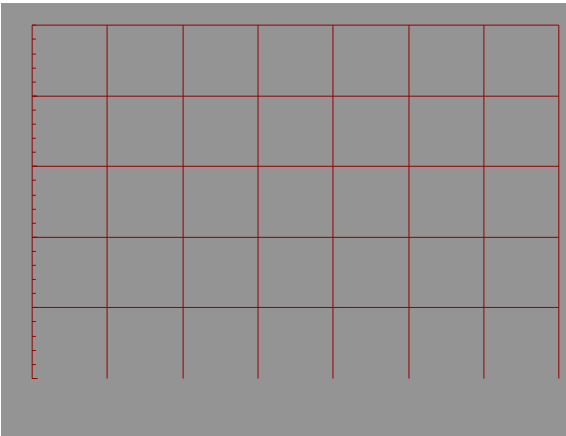


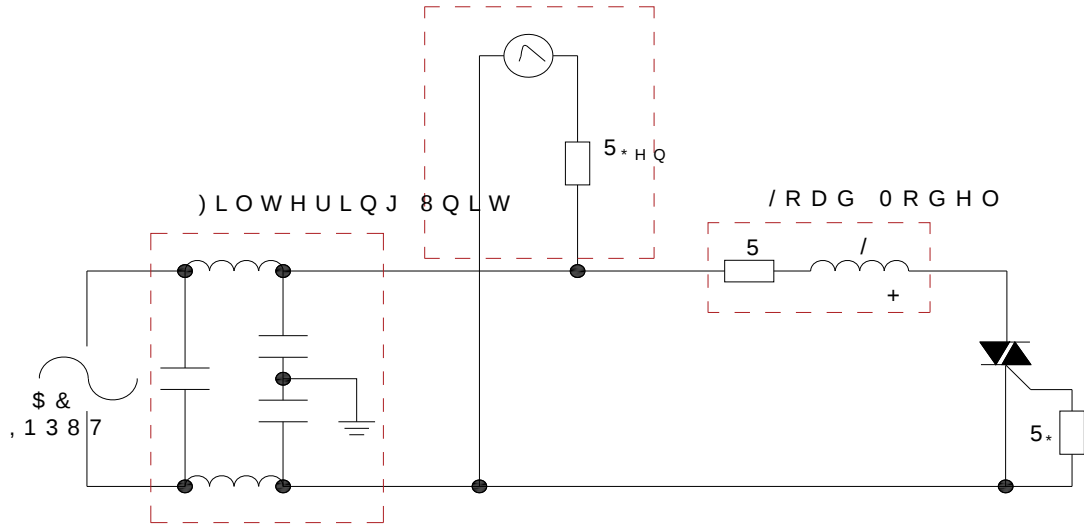


FIG.1: 0D[LPXP SRZHU GLVVLSDWLRQ YFIG.2: 5X06 5RQ VWDWH FXUUHQW YH
RQ VWDWH FXUUHQW WHPSHUDWXUH





), * Ö7HVW FLUFXLW IRU LQGXFWLYH DQG VMDQGDUGV OF
, (& 6WDQGDUGV
6XUJH *HQHUDWRU
6YROWDJH VXUJH
6FXUUHQW VXUJH



LEAD FORMING AND SOLDERING

5HIHU WR WKH DSSOLFDWLRQ QRWHWSVUWHPEOKUQXWKXFWOLRQVFINDJFKW
D]Æ} o šÆ}v] •X



ORDERING INFORMATION

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

Document Revision History

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





,QIRUPDWLRQ IXUQXFNHQLQ WKOLHGYMB DQGEUHDLFDEUDH +
-LDQJ VX -LH-LH 0L&URRHOWHGDVROLFHVQLVUHRUSVQVLEBRQVH
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRU VXFK LQIRUPDWLRQ