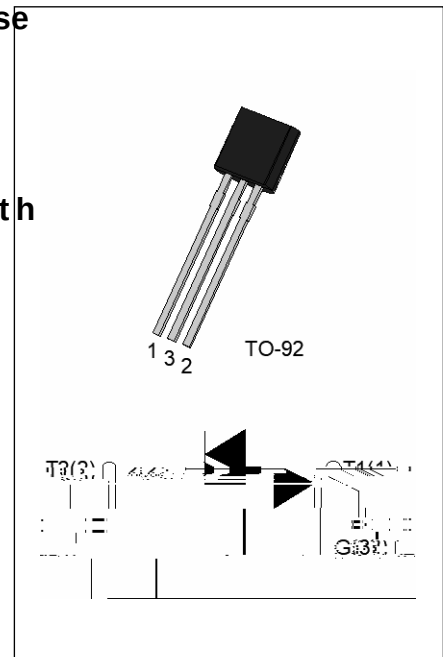




59 { /wL t ¢ L h b Y

The JST131U-600T triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as lighting regulation, induction motor starting circuits, and phase control operation in light dimmers, motor speed controllers. Complying with UL standards (File ref : E252906). Package TO-92 is RoHS compliant.



a ! Lb C9 ! ¢ ! w9 {

6 \ P E R O	9 D O X H	8 Q L W
,7 506		
9 50 9 50		9
,*7		P \$

! . { h [! ¢ 9 a ! · L a ! a w ! ¢ L b D {

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{tg}	-40-150	
2 SHUDWLQJWHKPSHULRWXUH UDQJH	M		7
5 HSHWLWLYH SHDN RII VWDWH YROWDJH	U_{RM}	7	
5 HSHWLWLYH SHDN WHYHUVH YROWDJH	U_{50}	7	
506 RQ VWDWH & FXUUHQW	I_{T}	,7 506	
1 RQ UHSHWLWLYH VXUJH SHDN RQ VWDWH FXUUHQW	I_{T}		\$
IXOO F_S FOW	I_{T}	,7 60	
1 RQ UHSHWLWLYH VXUJH SHDN RQ VWDWH FXUUHQW	I_{T}		\$ V
IXOO F_S FOW	I_{T}		
, W YDOXH IRU P_{XVLMQJ} W	P_{XVLMQJ}	, W	V \$
& ULWLFDO BDWH RWDWH FXUUHQW	G, GW		\$ V
, h,*7 l +]M 7			
3 HDN JDWH FXUUHQW W	I_{T}	,*0	\$
\$YHUDJH JDWH SRZHU GLVVLSDWLQJ	P_{T}	7	
3 HDN JDWH SRZHU	P_{T}	3*0	

3 HDN SXOVH YROWDJH 7M QRQ UHSHWLWLYH RII VWDWH ⁹³³), *		
--	--	--

> dZ/ > , Z d Z/A25/ XQOHVV RWKHUZZLVH VSHFLILHG

Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D = 12V R = 33 Ω	ALL	MAX.	5	mA
V _{GT}		ALL	MAX.	1.3	V
V _{GD}	V _D = V _{RM} T _J = 125 5/ N	\$ //	0 , 1		9
/	,* ;7		0 \$;		P \$
,+	,7 P \$		0 \$;		P \$
G 9 G W , 99 * DWH 2 6 HQ 7			0 , 1		9 V
G 9 G W F G , G W F \$ P V			7 0 , 1		9 V
W _Q	,* P \$ \$, P \$ 5, P \$ 7M		7 < 3		V
W _I					

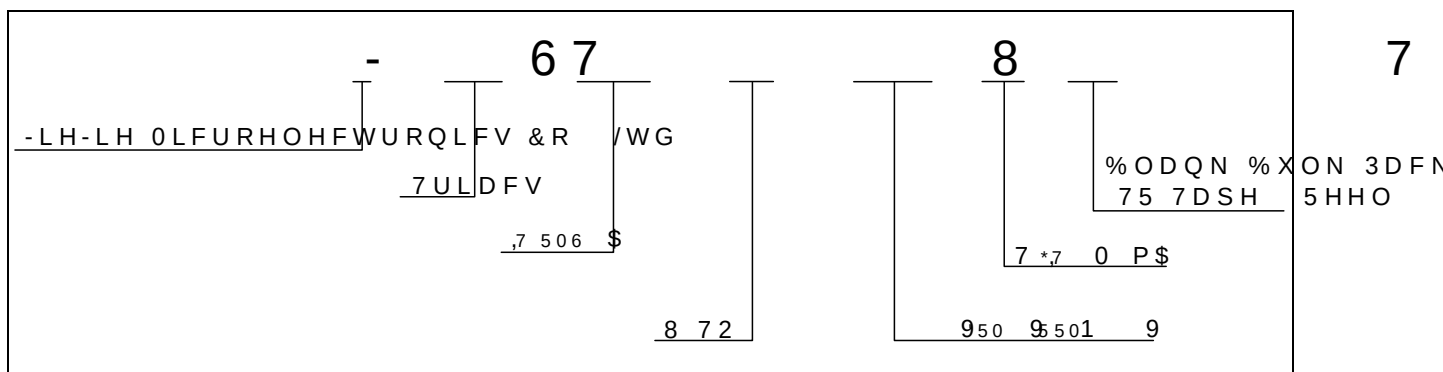
^d d/ , Z d Z/^d/ ^

Symbol	Parameter		Value(MAX.)	Unit
V _{TM}	I _{TM} = 1.4A t = 380 ε s	T _J = 125		
972	7 KUHV KROG YROWDJH 7			
5	'\QDPLF UHVLVWDQFH 7			P
,50	9 9.50 9 9550	7M		
,550		7M		

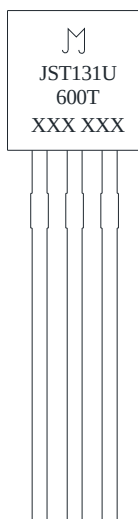
d , ZD > Z ^/^d E ^

Symbol	Parameter	Value	Unit
R _{th(j-c)}	j unction to case (AC)	60	:
5W _{K M}	DMXQFWLRQ WR DPELHQW \$ &		:

7



D $Z < / E'$



Year XXX XXX Production
Month Code

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

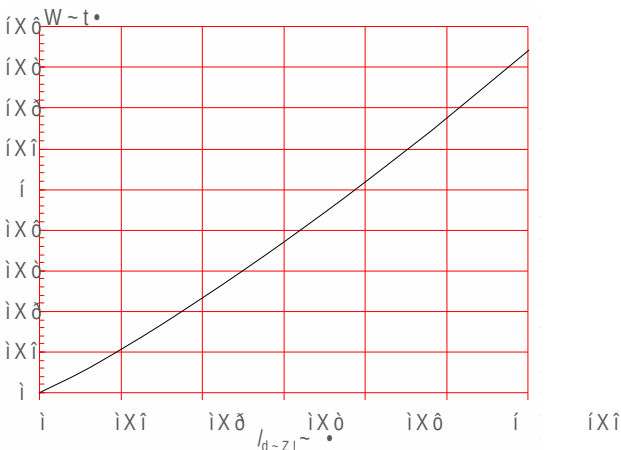


FIG.3: Surge peak on-state current versus number of cycles

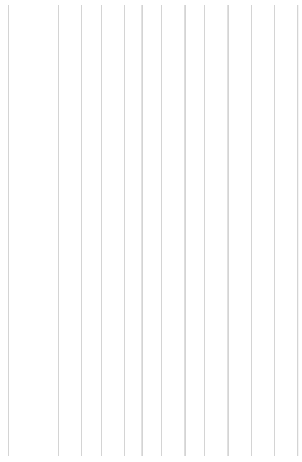


FIG.2: RMS on-state current versus case temperature

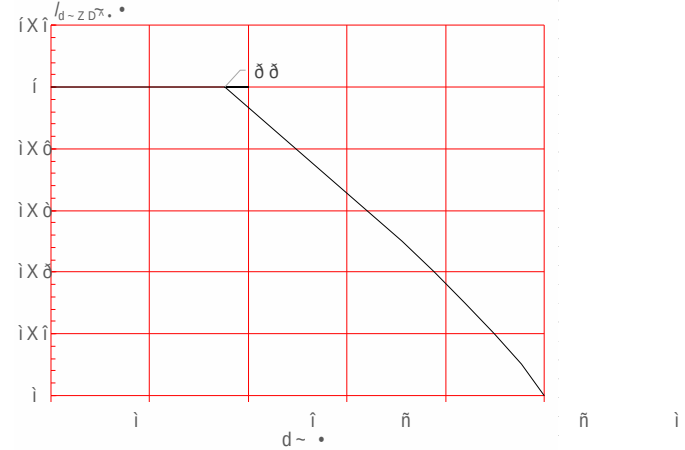
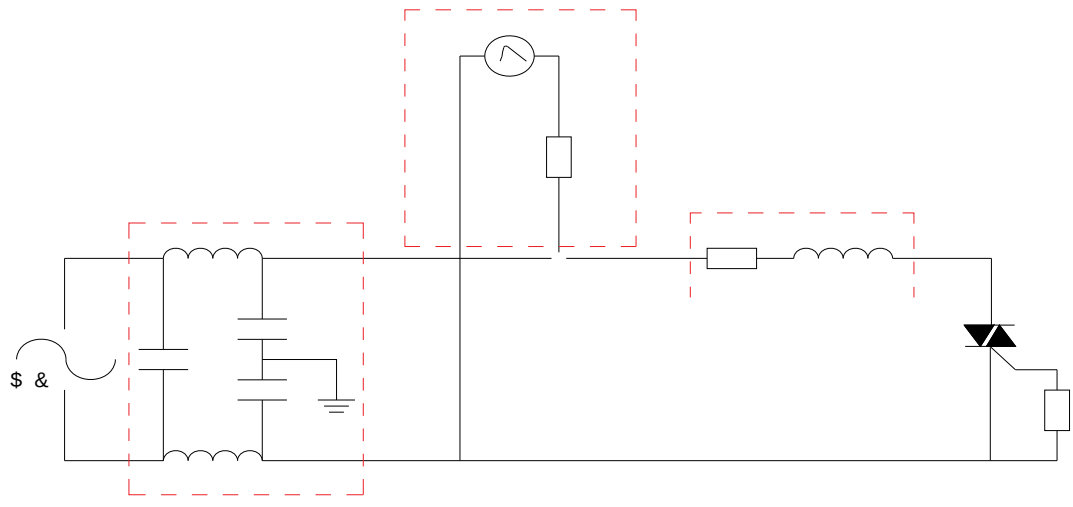
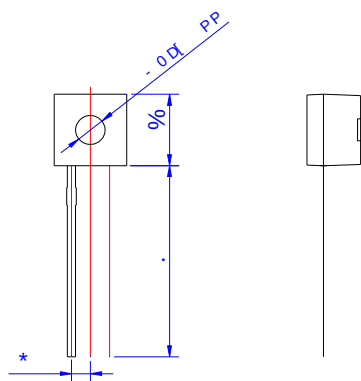


FIG.4: On-state characteristics

), * Ö7HVW FLUFXLW IRU LQGXFwLYH DQG VMDQVWUyW OF





,QIRUPDWLRQ IXUQXFNHQB ILQ WKOLVHGRHG WR EH DFFXUDWH D
 -LDQJVVX -LH-LH 0L&URRHOWHG WDVVQLFHVV QLRV UHRUS RQKHL ERQVHT
 RI XVH ZLWKRXW FRQVLGHUDWLRQ IRG MWFKQLQURUPDWLRQ
 LQ WKLW GRFXPHQW LQJHXLWHFVX WRQRWLFH DSDUW IURP V
 VLJQHG -LDQJVSOLHVLZILWRKPWKH DJUHHPHQW
 3URGXFVV DQG LQIRUPDWLRQ GRFXPHQW KDYH QR LQIULQJ
 -LDQJVVX -LH-LH DVVXPHLOQW\ UIRVSRQWIRQKHQJWHPHQW RI WH
 SDUWLHV ZKLFK PDN XVVXPDWVXFKPSWBBDVWRQDQKILQGRFXPH
 VXSHUVHGHV DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXV

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