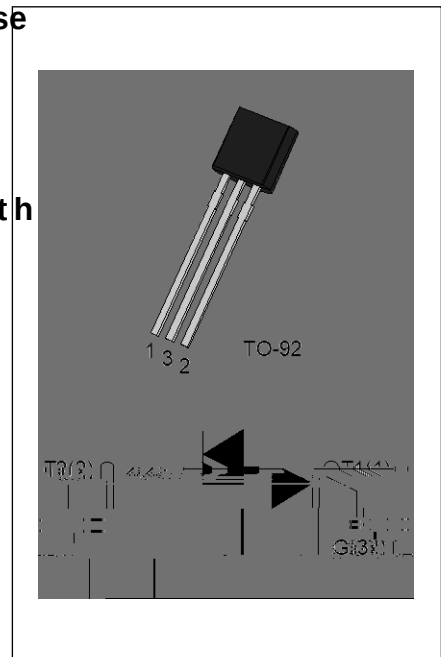




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The JST131U-600T triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as lighting regulation, induction motor starting circuits, and phase control operation in light dimmers, motor speed controllers.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



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

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Parameter	Symbol	Value	Unit
Storage junction temperature range	T _{stg}	-40-150	
2 SHUDWLQJWHKPSHWLDRQXUH UDQJH M			7
5 HSHWLWLYH SHDN RII VWDWH YROWDJH 7			
5 HSHWLWLYH SHDN WHYHUVH YROWDJH 7			
506 RQ VWDWH & FXUUHQW 7	,7 506		
1 RQ UHSHWLWLYH VXUJH SHDN RQ VWDWH FXUUHQW IXOO F _s F _{ON} M W	,760		\$
1 RQ UHSHWLWLYH VXUJH SHDN RQ VWDWH FXUUHQW IXOO F _s F _{OFF} W 7			
, W YDOXH IRU P _{AV} QJ W	, W		V \$
& ULWLFDO BDWQ RWDWHH FXUUHQW *, h,*7 I +] M 7	G, GW		\$ V
3 HDN JDWH FXUUHQW W	,*0		\$
\$YHUDJH JDWH SRZHU GLVVLSDWL RQ 7			
3 HDN JDWH SRZHU	3*0		



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

> dZ/ > , Z d 7T/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 °C 5/ N	\$ //	0, 1		9
/	,* ;7		0 \$;		P \$
,+	,7 P \$		0 \$;		P \$
G 9 G W	99 * DWH 2 SHQ 7		0, 1		9 V
G 9 G W F	G, GW F \$ P V		7 0, 1		9 V
W _Q	,* P \$ \$, P \$ 5, P \$		7 < 3		V
W _I	7M				

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

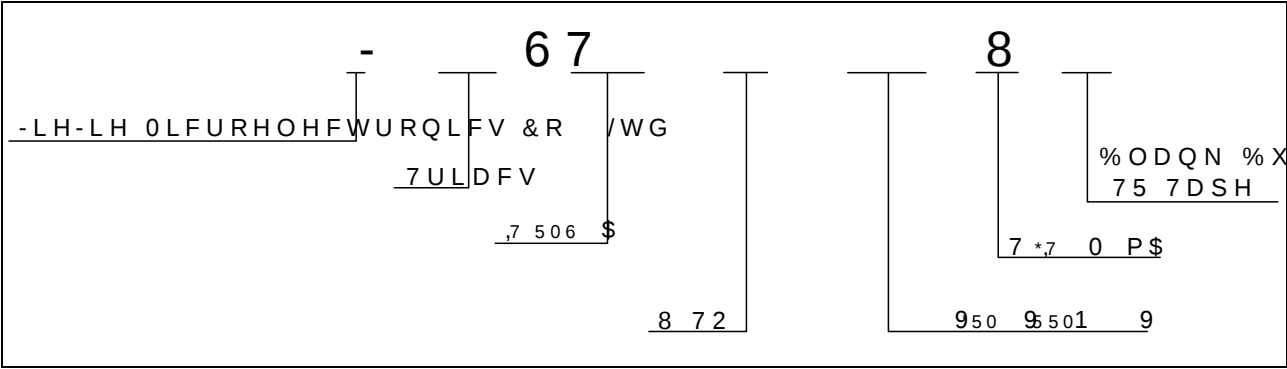
Symbol	Parameter		Value(MAX.)	Unit
V _{TM}	I _{TM} = 1.4A t = 380 μs	T _J = 125 °C		
972	7 KUHV KROG YROWDJH	7		
5	'\QDPLF UHVLVWDQFH	7		P
,50	9 9.50 9 9.50	7M		
,550		7M		

d, ZD > Z ^/^d E ^

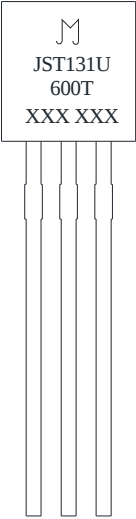
Symbol	Parameter	Value	Unit
R _{th(j-c)}	j unction to case (AC)	60	:
5W _{K M}	DMXQFWLRQ WR DPELHQW \$ &		:



K Z Z / E ' / E & K Z D d / K E



D Z < / E '



Year
Month

XXX XXX

Production
Code



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

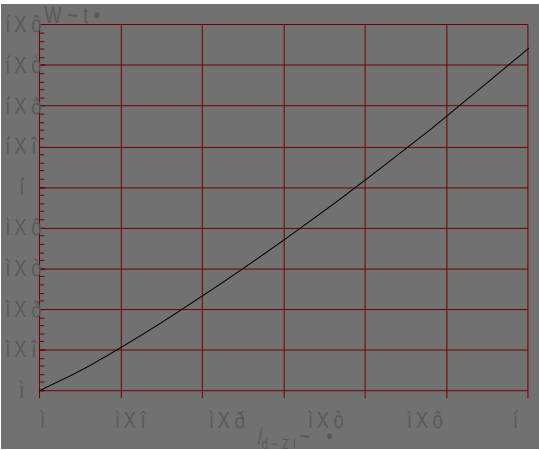


FIG.3: Surge peak on-state current versus number of cycles

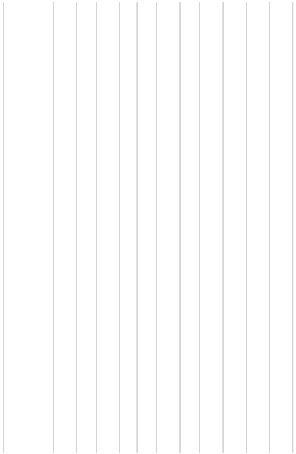


FIG.2: RMS on-state current versus case temperature

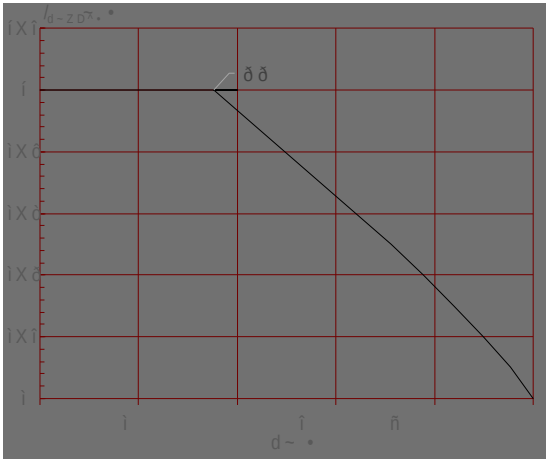
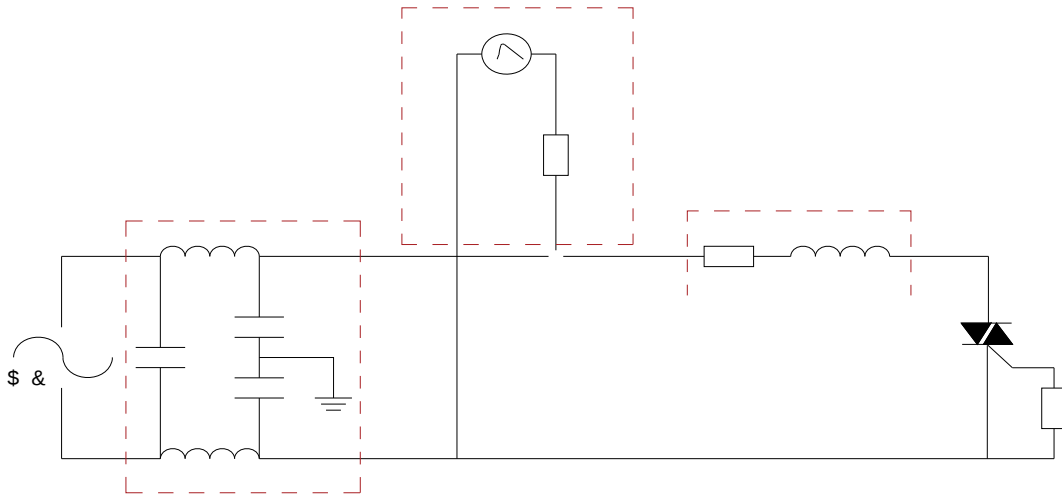
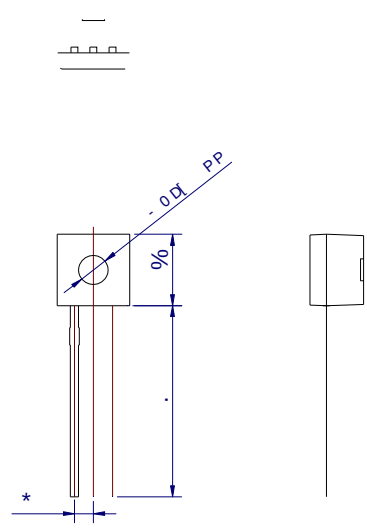


FIG.4: On-state characteristics

),* Ö7HVW FLUFXLW IRU LQGXFWLYH DQG VMDQGDUYGH OF



W < ' D , E / > d







,QIRUPDWLRQ IXUQXPHQW ILQ WKOLHGRHG WR EH DFFXUDWH D
 -LDQJVV -LH-LH 0LRRHWHG WDVRLFHVV QLRV UHVSXQVHL ERQVHT
 RI XVH ZLWKRXW FRQVLGHUDWLRQ IRG MWFKQLQURPDWLRQ
 LQ WKLW GRFXPHQW LQJXZLWHFVXWRQRWLFH DSDUW IURP V
 VLJQHG -LDQJVSOLHVLZLWKPKH DJUHHPHQW
 3URGXFVV DQG LQIRUPDWLRQ GRFXPHQW KDYH QR LQIULQJ
 -LDQJVV -LH-LH DVVXPHLOQW\ UIRVSRQWIRQKHQJWHPHQW RI WH
 SDUWLHV ZKLFK PD\ XVXROHWXUFRPSWBBDVWRQDQGLQGRFXPH
 VXSHUVHGHV DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXV

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