DESCRIPTION:

7KH SURGXFWV DUH SWWRXGSULHYUHVU LQ
/623 : SDFNDJHV 7KH GHYLFH FRQVLV DUHG
/(' RSWLFDOO\ FRXHSJOHWVHWGR KDLQKLQDL Q
SKRWRGHWHFWRUGH&V FJKXLDSU D,QWSHUHGY LS
DQG VSHFLILFDWLRQV DW WHPSHUDW ,W LV
VPDOOHU DQG FRPSOLDQW ZLWK LQW DIHW\
UHLQIRUFHG LQVXODWLRQ VWDQGRXWS O
IRU DSSOLFDWLRQV WKDW UHTXLUH V UG FHU
LQWHUQDO QRLGHVVDXJHGDSQWRHG FR
WUDQVLHQW LPPXQLW\I"GHD9D MR%7V *
DQG SRZHU 026)(7 JDWH GULYH 7KH S ZLGHO
LQ LQGXVWULDO LQYHUWHUV ,0*26)(JD.
LQGXFWLRQ FRRNWRS DQG KRPH DSSO



MAIN FEATURES

$ PD[LPXP SHDN RXWSXW FXUUHQW
+LJK LVRODWLRQ 9506
%XIIHU ORJLF W\SH
2SHUDWLQJ WHPSHUDWXUH R WR ƒ&
5(6&+ 5R+6 FRPSOLDQFH
+%0 + $ 00 0 &'0 &
&4& DSSURYHG
9'(DSSURYHG
8/ DSSURYHG

Truth Table

/('	9&& 9(3RVLWLYH *	9&& 9(RLQ1JHJDWLYH *	RLQJ 2XWSXW
2))	9	9	/RZ
21	9	9	/RZ
21	9 9	9 9	75$16,7,21
21	9 9	9 9	+,*+7

ABSOLUTE MAXIMUM RATINGS 7HPSHUDWXUH f &

/('	)RUZDUG &XUUHQW	,)		
	3HDN)RUZDUG &XUUHQW	,)3	[7]	$
	5HYHUVH 9ROWDJH	95		
	3RZHU 'LVVLSDWLRQ	3'		P:
'HWHFWRU	2XWSXW 9ROWDJH	2	9	
	6XSSO\ 9ROWDJH	9&&		
	3RZHU 'LVVLSDWLRQ	3&		P:
,VRODWLRQ 9ROWDJH		9LVR	[8]	9UPV
2SHUDWLQJ 7HPSHUDWXUH		7RSU	a	
-XQFWLRQ 7HPSHUDWXUH		7M		
6WRUDJH 7HPSHUDWXUH		7VWJ	a	
7RWDO 3RZHU 'LVVLSDWLRQ		3WRW		P:
6ROGHULQJ 7HPSHUDWXUH		7VRO		

NOTE1 íìì • ‰µo• U íìì,Ì (Œ ‹µ v Ç

NOTE2 (}Œ íu]vµš U ZX,XAðì•òì9

ELECTRICAL CHARACTERISTICS 7HPSHUDWXUH f &

,QSXW	)RUZDUG 9ROWDJH)	)	) 9P$	,			9
	5HYHUVH &XUUHQW ,5	5	9	9			$
	7HUPLQDO &DSDFLWDQFH	9 I 0+&					S)
2XWSXW	3HDN +LJK OHYHO 2XWSXW &XUUHQW	,23+	92 9&& 9 3XOVH ZLGWK" V				$
			92 9&& 9 3XOVH ZLGWK" V				$
	3HDN /RZ OHYHO 2XWSXW &XUUHQW	,23/	92 9((9 3XOVH ZLGWK" V				$
			92 9((9 3XOVH ZLGWK" V				$
	+LJK /HYHO 6XSSO\ &XUUHQW	&&+	,) P$ 9&& 9 92 2SHQ	,			P$
	/RZ /HYHO 6XSSO\ &XUUHQW	&&/	,) P$ 9&& 9 92 2SHQ	,			P$



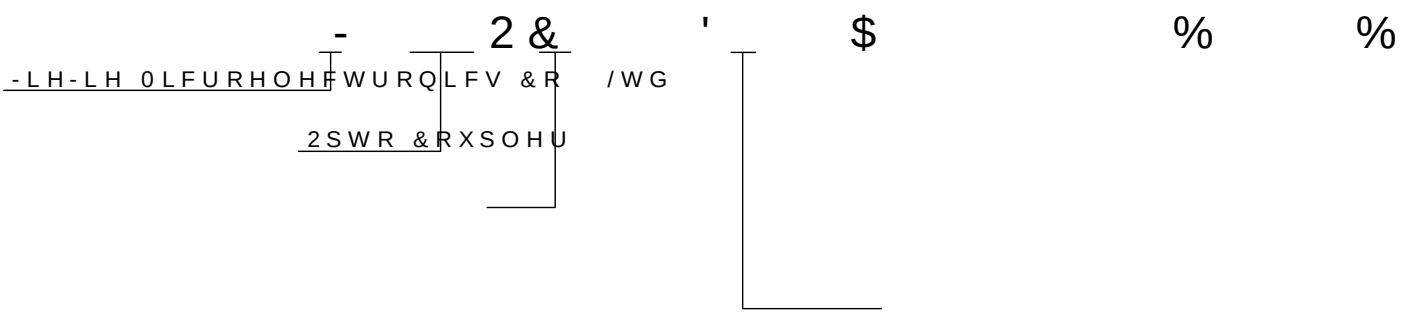
	+LJK /HYHO 2XWSXW2+9ROWDJHP$	99&	9&&		9		
	/RZ /HYHO 2XWSXW 9/ROWDJH P$	9			9		
	7KUHVKROG ,QSXW)&+XUUHQW 9	,			P$		
	7KUHVKROG ,QSXW 9+ROWDJH 9	9			9		
	6XSSO\ 9ROWDJH 9&&						
	89/2 7KUHVKROG	989/2	92Ú 9 ,„ P$				9

Recommended Operating Conditions[7 8]

,QSXW 2Q VWDWH ,&&UUHQW					P$
,QSXW 2II VWDWH 9R)OWDJH			9		
6XSSO\ 9ROWDJH 9&&					9
2SHUDWLQJ)UHTXHQF\		I			N+]

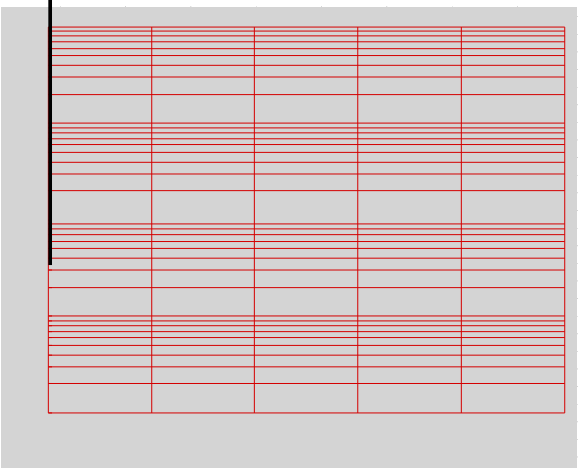
Note1 W dZ Œ }uu v }‰ Œ š]vP }v]š]}v] Œv P•]•À Œv Ç •š} } š]Pw
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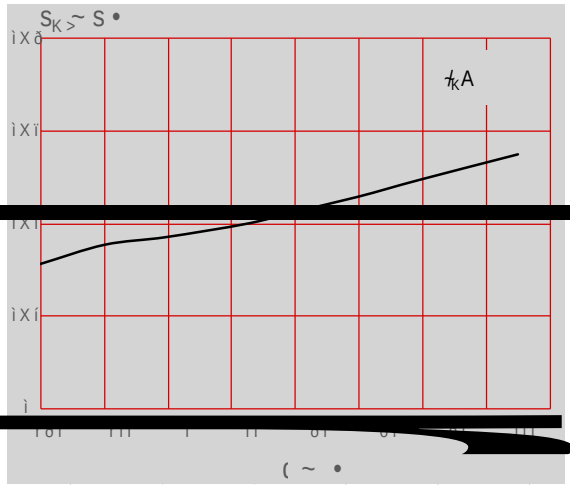
ORDERING INFORMATION



Characteristics Curves

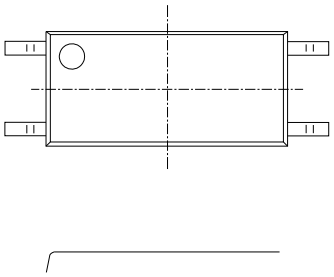
)RUZDUG &XUUHQW YV)RUZDUG 9RO WDJH /(')RUZDUG
YV $PELHQW 7HPSHUDWXUH




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Package Dimension (Unit: mm)

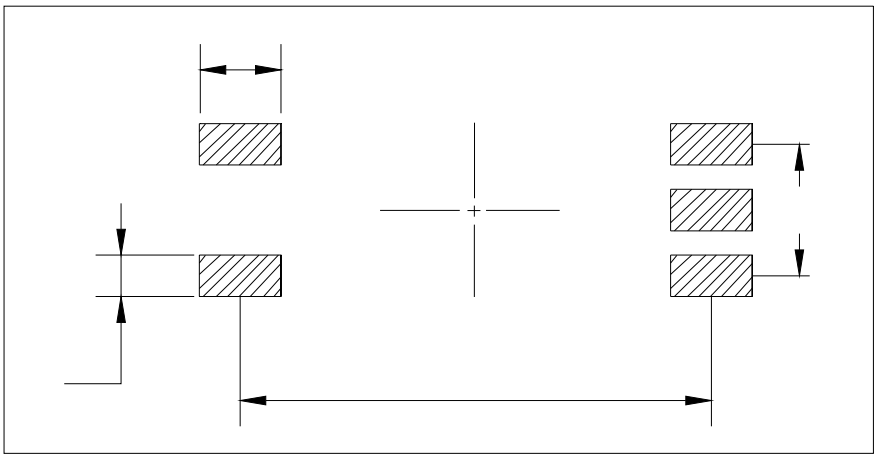
LSOP5



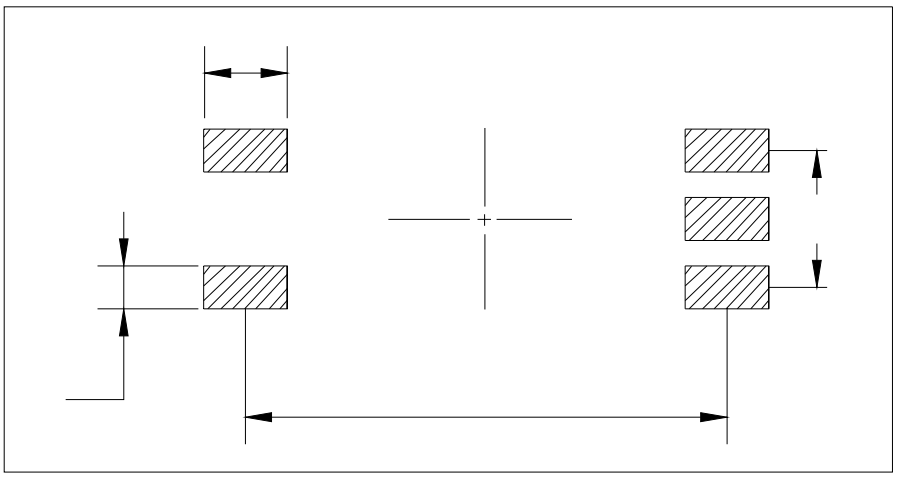
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RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

LSOP5

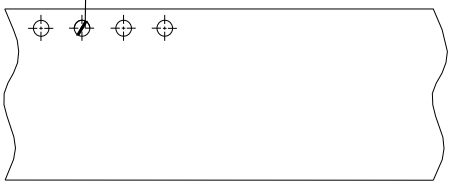


LSOP5W



CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option None



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1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHG DVWKRVZKH QVRHPSRHUHDWWKDQHWRK

$YRLG GLUHFW FRQWDFWSVRE[HQEGZGQWRXRLDFHV H[FHHGLQJ LWV PD
VWRUDJH WHPSHUDWXUH

$SSOLFDWLRQ RKHSUHSRV[XERGRKQLWSOHGDWHG WHPSHUDWXUHV ,Q V
VFHQDULRV DQHDPSXOHQGR WRH[FHHG 1

(QVXUH WKH FRPSRQHQW KDV FRROHG VURRFPEWKQQQZLXSVHUDXHQ
PDQXIDFWXULQJ VWHSV

7KH FRPSRQHQW HKDV EQVHKHOLZKHQVWRGHGGXFHRHGLWLRQV

5HFRPPHQG VWRUDJH 7HPS a f&

5HFRPPHQG VWRUDJH KXPLGLW\

06/ OHYHO 06/

,QIRUPDWLRQ IXUQXVKHG LQ WKLV GRFXPHQW WR EH DFFXUDWH
-LDQJVX -LH-LH 0LFURHOHFWURQLFHV &RUS RU LWV VXEVLGLDULHV
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRU LWV FKRLFH RU DSSURSULDWHQHV
LQ WKLV GRFXPHQW KDV EHHQ JHQHUDWHG WR QRWLFH DSDUW IURP V
VLJQHG -LDQJVX-LHVLHLFRPWKH DJUHHPHQW
3URGXFWV DQG LQIRUPDWLRQ SURYLGHG RSHUDWH
-LDQJVX -LH-LH DVVXPEHVOLQR\UHVSRQ\VLQIUQJHPHQW RI RW
ZKLFK PD\ UHVXOW IURP WKH XVH RI V7XKFKV SURFXUHPHQW DQG
DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXVO\ VXSSOLHG
LV D UHJLVWHUHGDQJUDG-HLHD UHN ORLF-ULR HOWHG WURQLFV &R
&RS\ULJKW -LDQJVX -LH-LH OFLF&RHO/HFWURQLFGLJKWV UHVH