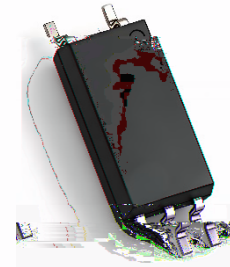


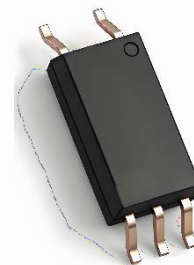


DESCRIPTION:

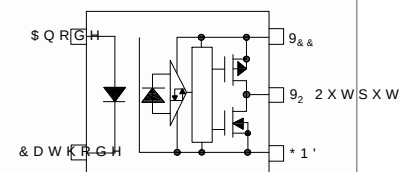
7KH SURGXFWV DSSURYHG WR XSDUHQHULQ
/623 : SDFNDJHV 7KH GHYLFH FRQVLV
/(' RSWLFDOO\ FRXSOH WCR KLQ KL QMLQ
SKRWRGHWHFWRUJH V FJKLSU D QWSURGYIS
DQG VSHFLILFDWLRQV DW WHPSHUDW
VPDOOHU DQG FRPSOLDQW ZLWK LQW
UHLQIRUFHG LQVXODWHQV VWDWDOXWV
IRU DSSOLFDWLRQV WKDW UHTXLUH V
LQWHUQDO QRLGHVVKLXODQDSSURMHG FR
WUDQVLHQW LPPXQLW\ILGHDO MRU7
DQG SRZHU 026)(7 JDWH GULYH 7KH S
LQ LQGXFVWULDO LQYHUV 026)(7D
LQGXFWRQ FRRNWRS DQG KRPH DSSO



:K i r>ñ



:K i r>ñt



MAIN FEATURES

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

Truth Table

,QSXW	/('	2XWSXW
+	21	+
/	2))	/

ABSOLUTE MAXIMUM RATINGS 7HPSHUDWXUH f &

Parameter		Symbol	Value	Unit
/('	)RUZDUG &XUUHQW	)	,	
	3HDN)RUZDUG &XUUHQW ₃		7	\$

	5HYHUVH 9ROWDJH	9 ₅		
	3RZHU 'LVVLSDWLRQ	3'		P :
'HWHFWRU	2XWSXW 9ROWDJH	2	9	
	6XSSO\ 9ROWDJH	9&&		
	3RZHU 'LVVLSDWLRQ	3&		P :
,VRODWLRQ 9ROWDJH		9 _{LVR}	⁸	9UPV
2SHUDWLQJ 7HPSHUDWXUH		7 _{RSU}	a	
-XQFWLRQ 7HPSHUDWXUH		7 _M		
6WRUDJH 7HPSHUDWXUH		7 _{VWJ}	a	
7RWDO 3RZHU 'LVVLSDWLRQ		3 _{WRW}		P :
6ROGHULQJ 7HPSHUDWXUH		7 _{VRO}		

NOTE1 íîì • %μo• U íîì,ì (Æ <μ v Ç

NOTE2 {}Æ íu]vμš U ZX,XAđì•òì9

ELECTRICAL CHARACTERISTICS 7HPSHUDWXUH f &

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
,Q\$XW	)RUZDUG 9ROWDJH)		) 9P\$	,			9
	5HYHUVH &XUUHQW		5 9	9			\$
	7HUPLQDO &DSDFLWDQGH I 0+&						S)
2XWSXW	3HDN +LJK OHYHO 2XWSXW*1' &XUUHQW	,23+	) P\$ 9&& 9				P\$
			) P\$ 9&& 9				P\$
			9 ₂ *1'				
	3HDN /RZ OHYHO 2XWSXW &XUUHQW	,23/	9&& 9 ₂ 9				P\$
			9&& 9 ₂ 9				P\$
	/LJK /HYHO 6XSSO\ &XUUHQW	,&&+	) P\$ 9&& 9				P\$
			) P\$ 9&& 9				P\$
	/RZ /HYHO 6XSSO\ &XUUHQW	,&&/	9&& 9				P\$
			9&& 9				P\$
	+LJK /HYHO 2XWSXW 9ROWDJH	9 ₂ +	) P\$ 9 ₂ P\$	9&&	9&&		9
			) P\$ 9 ₂ P\$	9&&	9&&		9

Recommended Operating Conditions^{7 8}

Characteristics	Symbol	Min.	Typ.	Max.	Unit
Q SXW 2 Q VWDWH) & X U U H Q W					P \$
Q SXW 2 I I VWDWH) & R O W D J H			9		
6 X S S O \ 9 R O W D J H 9 & &					9

Note1 W d Z Ć } u u v } % Ć š] v P } v] š] } v } Ć P • À Ć Ç • š } } š] p w
] v š v % Ć (} Ć u v } (š Z Ä] X Z v % v š È À u o ſ u Ć t z w] Ć %
• Ç • š u •] P v µ •] v P š š Z] • o Å] Ć] U o Z • Ć š] Ć] } š] š Z] š • ž } µ o o • }
} v •] Ć X

Note2 W Œ u] %o]š}Œ~ìXí...&••Z}μo s }vvv š%o]v šŒÁ~vE%o]š
•š]o]ì šZ }%o Œ B]]v b(]v ZŒPZur%o o](] ŒX KšZ ŒÁ]•U šZ]•%o Z
%oŒ}%o ŒoÇX dZ Ç%o•• %o o]š}ŒÁ]šZ]v í%o]v X(

Note3 W d Z (E] • v (o o š] u • }(š Z] v % , μ š Z } v r i x (E (E • v š • Z } μ o

Note4 W / (š Z Ć] •] v P • o } % } (š Z ({ P % Z o Ç Ā } o Š } Ć] • s • š % U • š o
] v š Ć v o] Ć μ] š • v š v } Š P μ Ć š } • š ĭ s l ... • } Ć o • • X } Ć Ć] •



FIG.7: /RZ OHYHO 2WWSXW V9R3D PELHQW 7HPSHUDWXUH

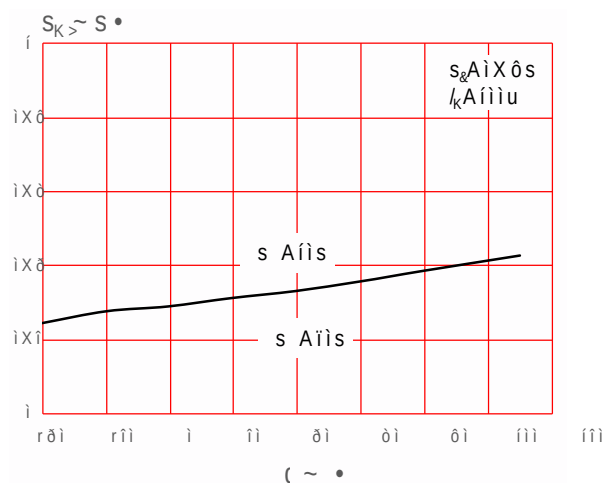


FIG.8: +LJK OHYHO 2XWSXW 9ROWD 3HDN +LJK OHYHO 2XWSXW &XUUHQW

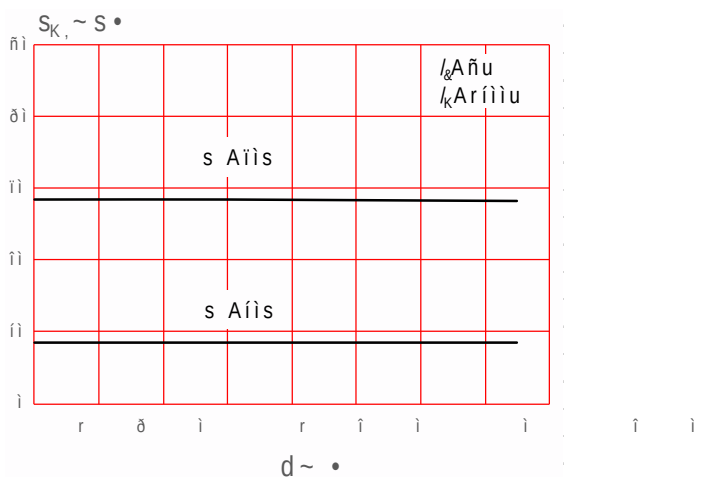


FIG.9: /RZ OHYHO 2WWSXW V9R3D HDN /RZ OHYHO 2XWSXW &XUUHQW

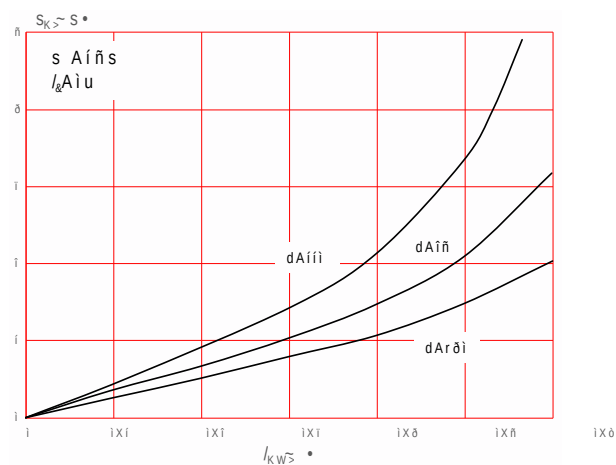


FIG.10: +LJK OHYHO 2XWSXW 9ROWD 3HDN +LJK OHYHO 2XWSXW &XUUHQW

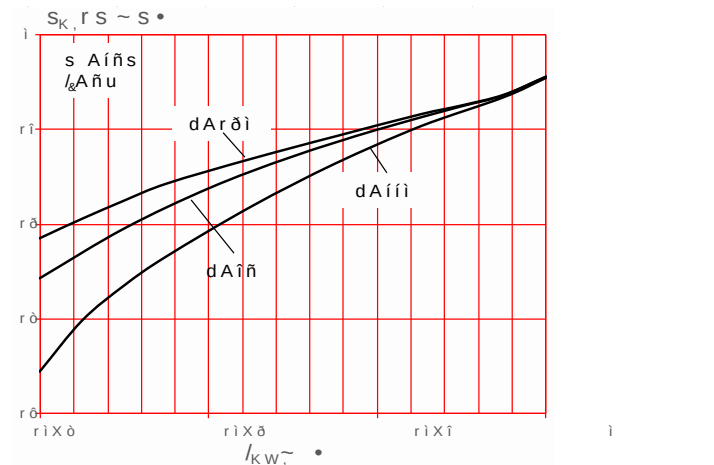


FIG.11: 3URSDJDWLRQ 'HOD\ 7LPH 3XOWR 3URSDJDWLRQ 'HOD\ 7LPH 3XOWR 'LVWRUWLRQ YV \$PELHQW 7HPSHUDWXUH

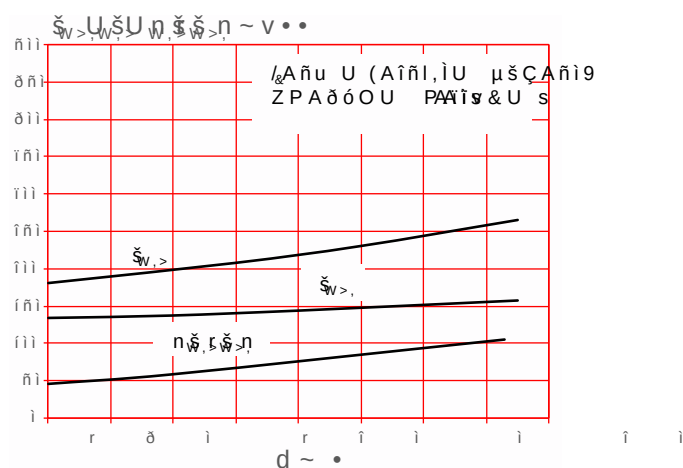


FIG.12: 3URSDJDWLRQ 'HOD\ 7LPH 3XOWR 3URSDJDWLRQ 'HOD\ 7LPH 3XOWR 'LVWRUWLRQ YV)RUZDUG

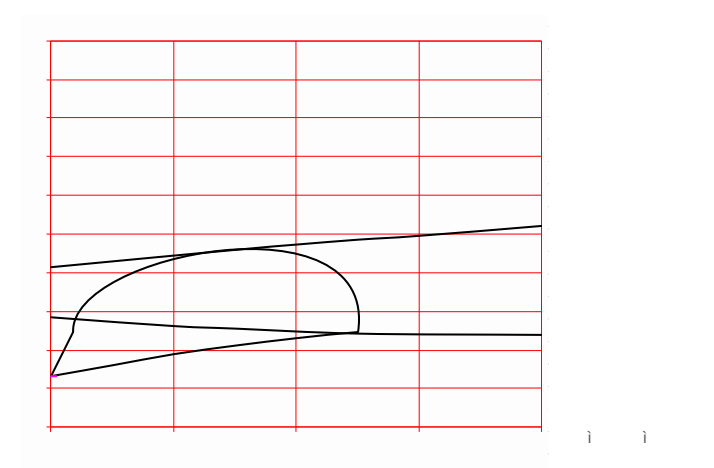
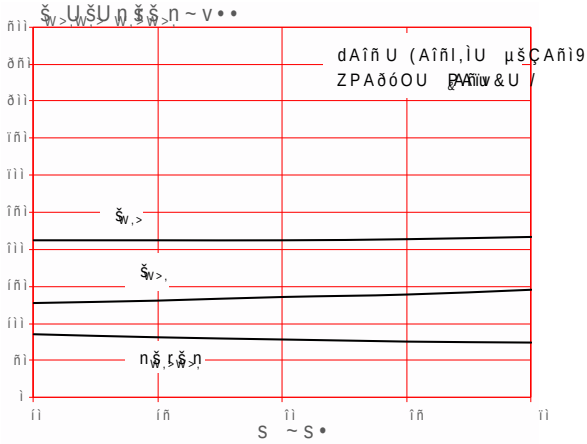
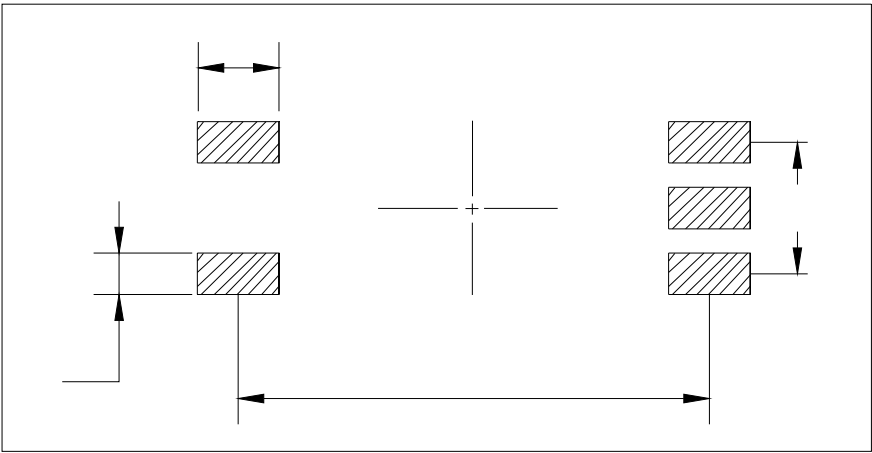


FIG.13: 3URSDJDWLRQ 'HOD\ 7LPH 3XOVH :LGWK
'LVWRUWLRQ YV 6XSSO\ 9ROWDJH

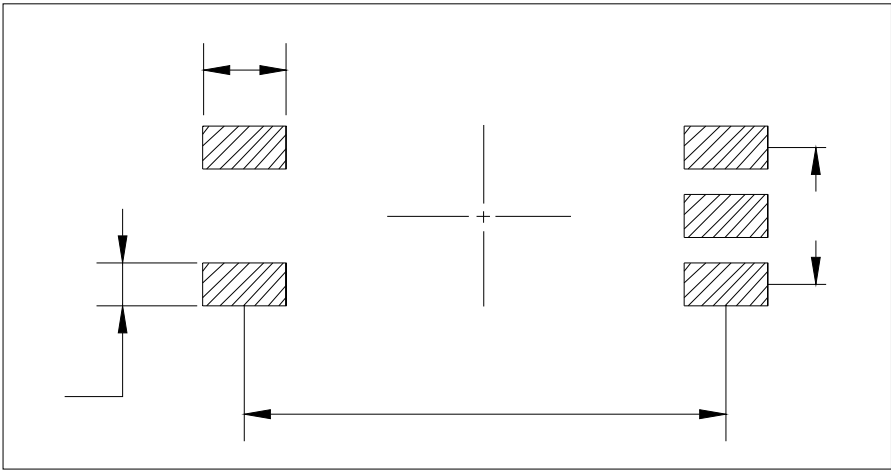


RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

LSOP5

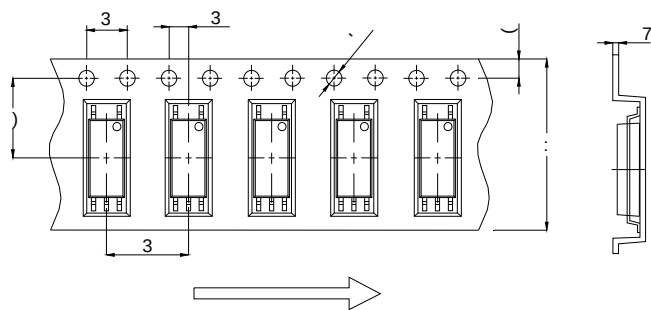


LSOP5W



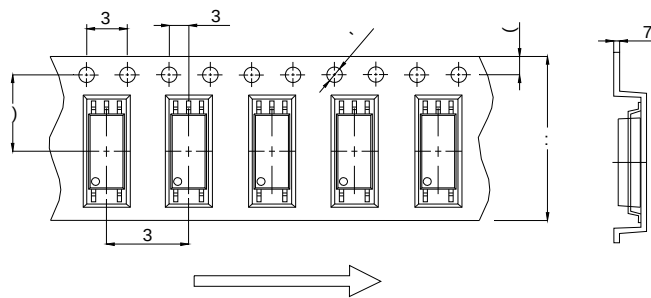
CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option None



5 HI	'LPHQVLRQV					
	0LOOLPHW			HUV ,QFKHV		
	0LQ	7\ S	0D[	0LQ	7\ S	0D[
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Option R



5 HI	'LPHQVLRQV					
	0LOOLPHW			HUV ,QFKHV		
	0LQ	7\ S	0D[	0LQ	7\ S	0D[
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1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHG\ DW RZQH QHPSHWDW\KDQW\W\O
\$YRLG GLUHFV FRQWHDVSRPHQZDQVWRUDFRU H[FHHGLQJ LWV PD
VWRUDJH WHPSHUDWXUH
\$SSOLFDWLRQ RKHSHU\XERGRQWLSOHGDDWHG WHPSHUDWXUHV ,QV
VFHQDULRV DQHPSVWLQRWRHFFHHG 1
(QVXUH WKH FRPSRQHQW KDV FRROHG SURFHVWHLQWZLXPSHWDW\Q
PDQXIDFWXULQJ VWHSV
7KH FRPSRQHQW IRM BQMHHDDZKHQVWRQGHG\G\G\G\GLWLRQV
5HFRPPHQG VWRUDSHH\HPSPHG\G(4'5pVWHD\G\