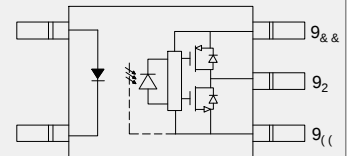
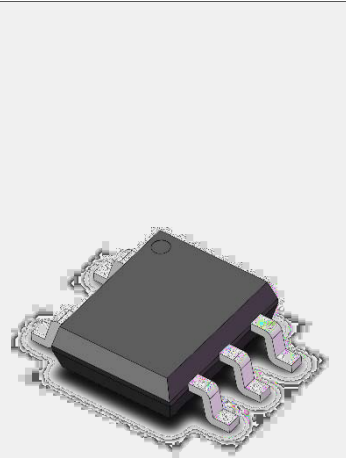




DESCRIPTION:

7KH SURGXFWV DURS W B W F H R X S Q L F H W L Q
SDFNDJH 7KH GHYLDHQ FLQQVDVWQ R(' F
FRXSOHG WR DQ LQLVQH JKLDW HVS HKH GKSJK
,& FKLS ,W SURYLGHV JXDUDQWHHG S
DW WHPSHUDWXU W X S V R V L F D O O \ V P
FRPSOLDQW ZLWK LQWHUQDWLRQDO V
LQVXODWLRQ ,W WKXV SURYLGHV D V
IRU DSSOLFDWLRQV WKDW UHTXLUH V
LQWHUQDO QRLGHV V D L J K O G D S Q M H G F R
WUDQVLHQW LPPXQLW\ L R I L " G H D D M R U 7
DQG SRZHU 026)(7 JDWH GULYH 7KH S
LQ LQGXFVWULDO L Q Y H U H U V 026)(7 D
LQGXFWLRQ FRRNWRS DQG KRPH DSSO



MAIN FEATURES

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

Truth Table

,Q SXW	/('	2 X W S X W
+	21	+
/	2))	/

ABSOLUTE MAXIMUM RATINGS 7HP SHUDWXUH 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,XAðì•òì9

ELECTRICAL CHARACTERISTICS 7HPSHUDWXUH f &

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



	7 K U H V K R O G , Q S X W 9 R O W D J H 9 & 9 9 2 Ø 9	9				9
	6 X S S O \ 9 R O W D J H 9 &					9

SWITCHING SPECIFICATION

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
3URSDJJDWLRQ 'HOD\ 7LPH WR +LJK 2XWSXW /HYHO	$\frac{W}{W+}$	5J &J Q)) : P\$ 9&& 9				Q V
3URSDJJDWLRQ 'HOD\ 7LPH WR /RZ 2XWSXW /HYHO	$\frac{W}{W+}$	5J &J Q)) : P\$ 9&& 9				
3URSDJJDWLRQ 'HOD\ 'LIHUHQFH %HWZHHQ \$Q\ 7ZR 3DUWV	$\frac{W}{W+}$ / $\frac{3W}{3W}$	5J &J Q)) 8: P\$ 9&& 9				
2XWSXW 5LVH 7LPH	$\frac{W}{W}$ R	5J &J Q)) : P\$ 9&& 9				
2XWSXW)DOO 7LPH	$\frac{W}{W}$ R	5J &J Q)) : P\$ 9&& 9				
&RPPRQ 0RGH 7UDQVLHOW ,PPXQLW\ DW +LJK /HYHO-2XWSXW						

7D 9FU Hp0•A| P ã6°0 @ð0 D

Recommended Operating Conditions^{7 8}

Characteristics	Symbol	Min.	Typ.	Max.	Unit
Supply Current (I _{CC})	I _{CC}				mA
Supply Current (I _{CC})	I _{CC}				mA
Supply Current (I _{CC})	I _{CC}				mA
Supply Current (I _{CC})	I _{CC}				mA

Note1 W dZ Ć }uu v }% Ć š]vP }v]š]}v} Ć P•À Ć Ç •š} } š]Pw
]vš v % Ć({Ću v }(šZ À] X Zv %v Ć Ć Àu ošµ Ć]z w]Ć %o
 •Ç•š u •]Pv µ•]vP ššZ]•o Ć]Ć]U o Z•Ć š]Ć]Ć]š]šZ]š •š}µo o•}
 }v•] Ć X

Note2 W Ć u] %]š}Ć~ìXí... &• •Z}µo s }vvv š%]v ššÁ~VE %]š
 •š]o]ì šZ }% Ć Ć]]v Ć]v ZĆP Zr%o o](] Ć X KšZ Ć Á]• U šZ]• %Z
 % Ć} % Ć oÇX dZ Ć %o•• %o]š}Ć]šZ]v í%]v X(

Note3 W dZ Ć]• v (oo š]u • }(šZ]v%µšZ}vriĆ Ć Ć •vš •Z}µo

Note4 W /(šZ Ć]•]vP •o}%o }(šZ (}Ć%šZ oÇ Ć}oš}Ć]•s•š %U •š o
]vš Ćv o]Ć µ]š• všv}X PµĆ Ć š} • š ĭ sl...• }Ć o •• Ć]Ć Ć]•

Note5 W v}š • šZ }% Ć]š]šZ Ć Ćv P]u v }%]Ć]š]X P }

ORDERING INFORMATION

-		2 &	'	\$	&		%
-LH-LH 0LFURHOHFWURQLFV &R /WG					1RQH 7		
2SWR &RXSOHU					5 7		
		'ULYHU			6 2 3		
+LJK VLGH 30 26				1R 89 / 2	%) 7 0 P \$		
				7 5 0 6 \$			

Packing Quantity	
Option	Quantity
E}v IZ	ïïïï hv]š•IZ o

MARKING

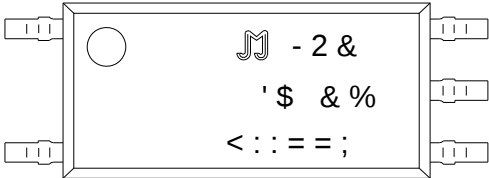
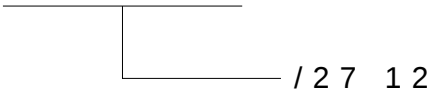
	
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FIG.7: /RZ OHYHO 2XWSXW 9ROWD 3H DN /RZ OHYHO 2XWSXW 9ROWD 3H DN +LJK OHYHO 2XWSXW 9ROWD 3H DN +LJK OHYHO 2XWSXW 9ROWD 3H DN

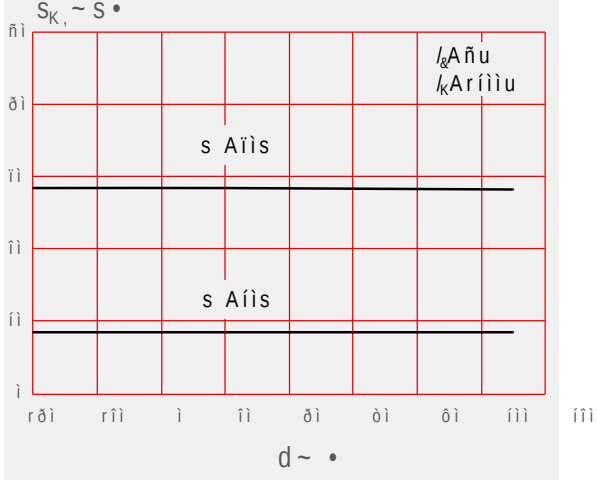
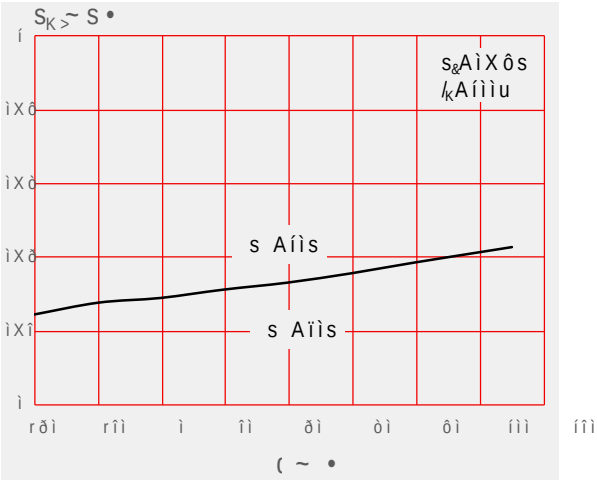


FIG.9: /RZ OHYHO 2XWSXW 9ROWD 3H DN /RZ OHYHO 2XWSXW 9ROWD 3H DN +LJK OHYHO 2XWSXW 9ROWD 3H DN +LJK OHYHO 2XWSXW 9ROWD 3H DN

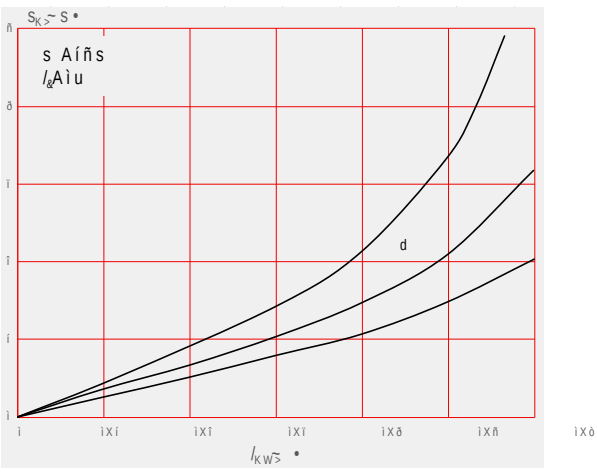
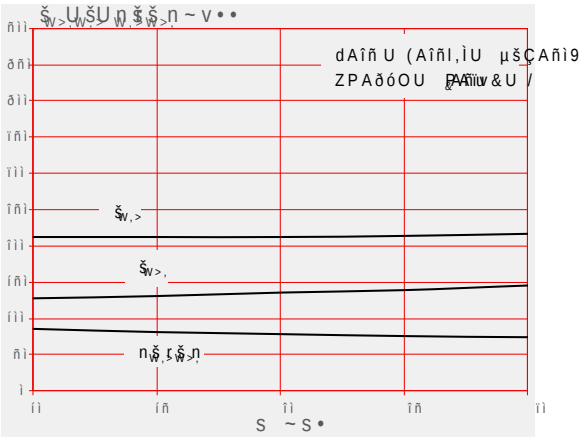
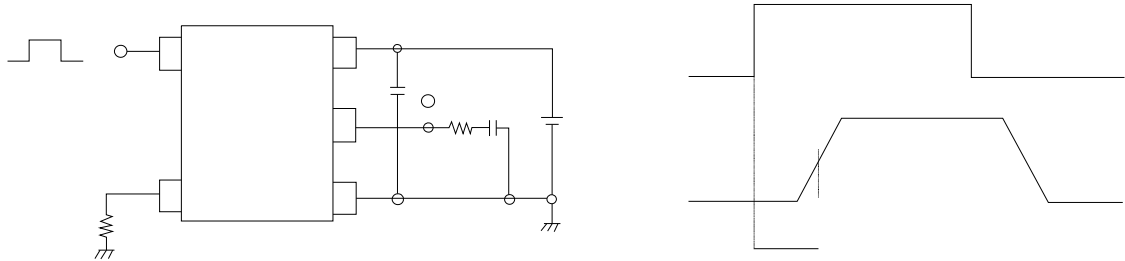


FIG.13: 3URSDJDWLRQ 'HOD\ 7LPH 3XOVH :LGWK
'LVWRUWLRQ YV 6XSSO\ 9ROWDJH

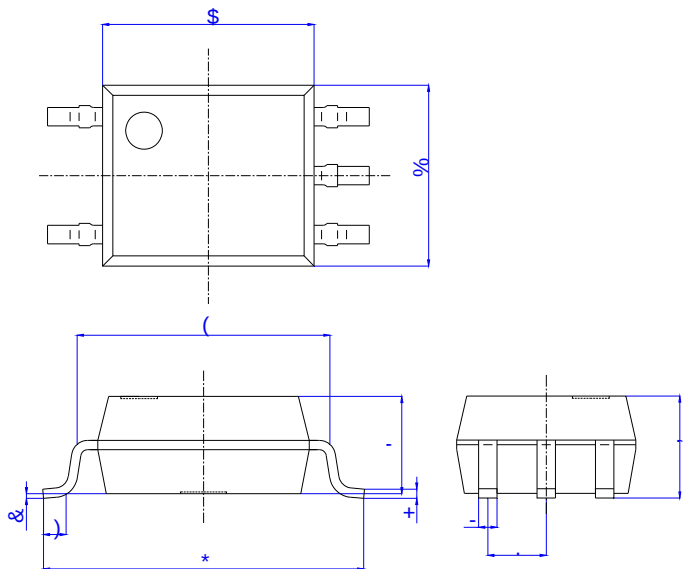


Test Circuits

FIG.14: 6ZLWFKLQJ 7LPH XLFHWV QG :DYHIRUP

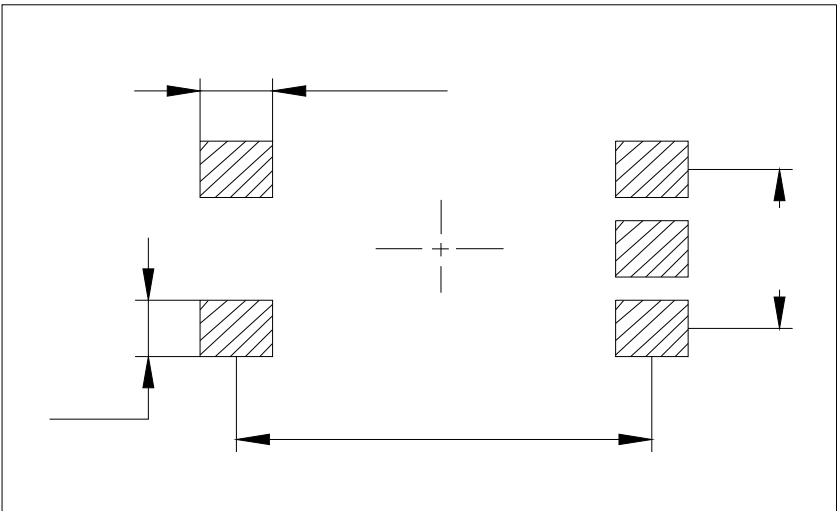


Package Dimension (Unit: mm)



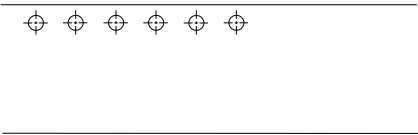
5HI	'LPHQVLRQV					
	0LOOLPHW			HUV		
	0LQ	7\ S	0D[	0LQ	7\ S	0D[
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RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

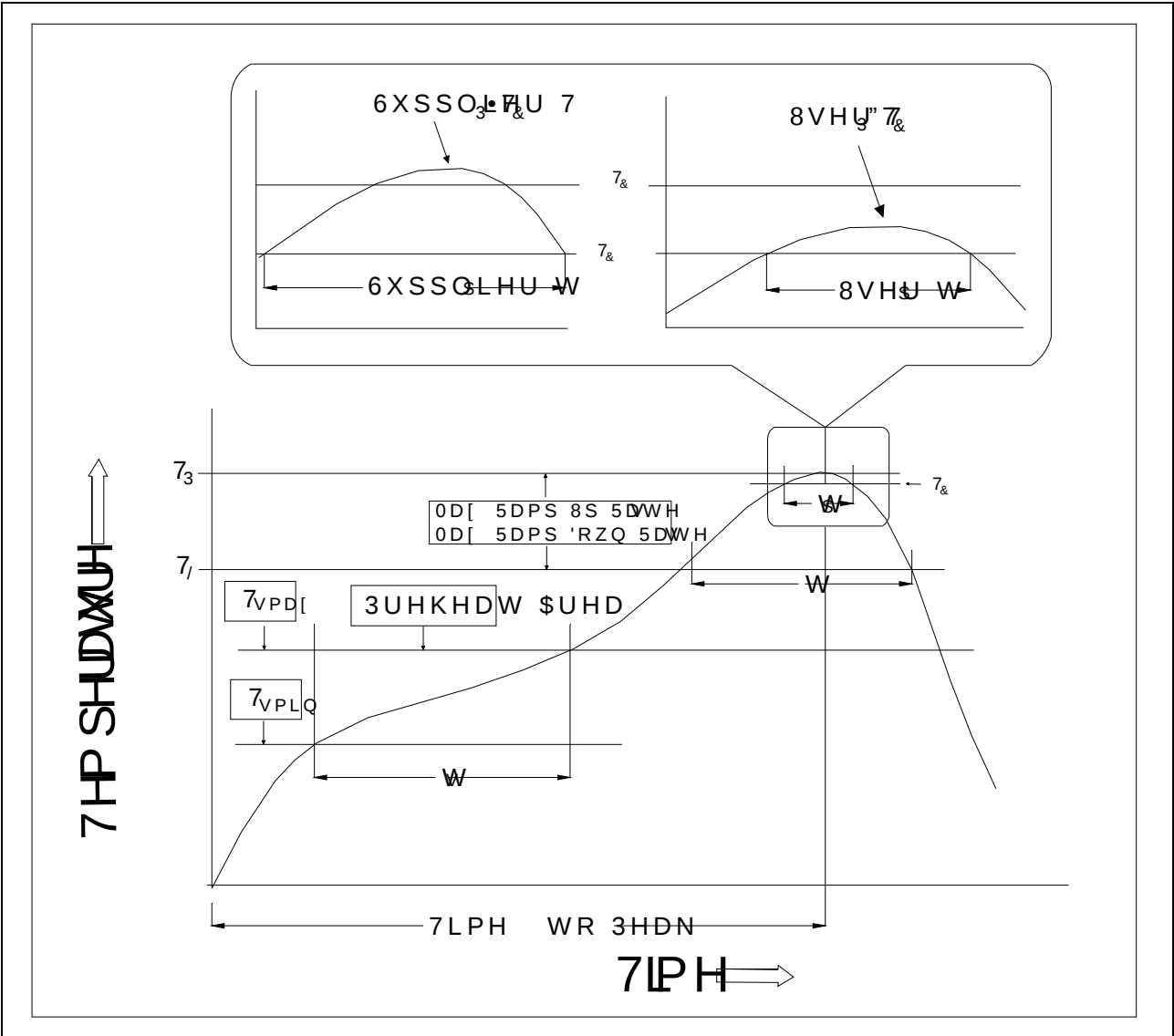


CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option None



REFLOW INFORMATION



Profile Feature	Sn-Pb Assembly Profile	Pb-Free Assembly Profile
7HP SHUDWXUH 0LQ	7VPLQ	
7HP SHUDWXUH 0D[	7VPD[	
7LPH W V IURP 7VPLQ WR 7VPD[		VHFRQG V
5DPS XS 5DWH W/ WR W	VHFRQG PD[	VHFRQG PD[
/LTXLGXV 7HP SHUDWXUH 7/		
7LPH W/ 0DLQWDLQHG \$ERYH 7/		VHFRQG V
3HDN %RG\ 3DFNDJH 7HP SHUDWXUH		
7LPH W3 ZLWK LQ	VHFRQG V	VHFRQG V
5DPS GRZQ 5DWH 73 WR W	VHFRQG PD[	VHFRQG PD[
7LPH WR 3HDN 7HP SHUDWXUH	PLQXWH V PD[	PLQXWH V PD[



1 R W H

5HIORZ VROGHULQJ LV UHFPPHQGHG/ DWRZQH QHPSHWDWWDQWWDQW
\$YRLG GLUHFV FRQVDFSRPHQZDQQRUDFHU H[FHHGLQJ LWV PD
VWRUDJH WHPSHUDWXUH
\$SSOLFDWLRQ RKHSHRYXERQWLSOHGDDWHG WHPSHUDWXUHV ,QV
VFHQDULRV DQHPSSOLQGRWHFFHHG 1
(QVXUH WKH FRPSRQHQW KDV FRROHG WRDFHMHQDQWLRPSHWDWHQ
PDQXIDFWXULQJ VWHSV
7KH FRPSRQHQW KDV BQKHODWZKHQVWRQHGGRQGLWLRQV
5HFRPPHQG VWRUDJH 7HPS a f&
5HFRPPHQG VWRUDJH KXPLGLW\
06/ OHYHO 06/

,QIRUPDWLRQ IXUQXWFKHQLQVWKOVLHGRHFG WR EH DFFXUDWH I
-LDQJVVX -LH-LH OLERRHOWHFWDVRQLFHVQLFWUHVUSFQVHLIERQVHT
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRG MWFKQLQURPDVDWLRQ
LQ WKLW GRFXPHQW LQJXZLWFKFWWRQRWLFH DSDUW IURP V
VLJQHG -LDQJVSOLHVLZLWKPWKH DJUHHPHQW
3URGXFVV DQG LQIRUPDWLRQ SURYLGHG LQHWKLVVRGSDXPH
-LDQJVVX -LH-LH DVVXPEHLOQWUURVSDQVLQIULQJHPHQW RI RW
ZKLFK PD\ UHVXOW IURP WKH XVH RI VFKLW SURFXPHQW DQSHL
DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXVO\ VXSSOLHG
 LV D UHJLVWHUHG DQJXGLHDUN GRUF-ULRHOWHFWURQLFV &R
&RS\UKJKW -LDQJVVX -LH-LH FLVERRHOWHFWUSOODHGLJKWV UHVH