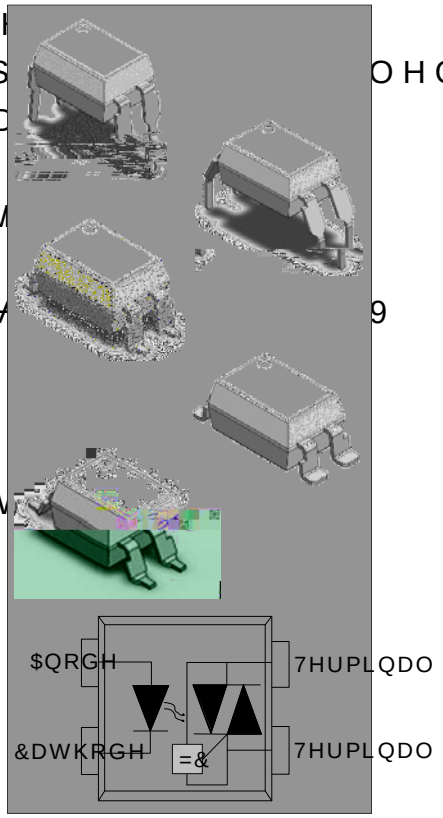
^ Z/Wd/KEW

7KH -2& ;' VHULHV DQG P,E DQG LQIUDU
GLRGH DV WKH HPLWWHU ZKLFK LV RS OHG W
VLOLFRQ]HUR FURVV LQ LQJ SO LQ RW E FW U3 D
GLIIHUHQW OHDG 7KHUPL QG XSFWLRQ V H
LQ VROHQRLG YDOYH FRQWUROOW OPLRJ
WHPSHUDWXUH FRQWUROOHUV ZLWKFWLHV $
UHOD\V LQWHUIDFLQJ PLFU$ SURE SWV 9

D /E & dhZ ^

+LJK LVRODW9L5RG
'& LQSXW ZLWKV LQU RSKRW R WULDF RXV
2SHUDWLQDWXHUPSHUDQJH -
8+'). 8U.9 IUSVROGTIK
.(3 . ' ! 33 3
&4& DSSURYHG
9'(DSSURYHG
8/ DSSURYHG



^K>hd D y/DhD Z 7dE/ESHUDWXUH ƒ&

Parameter		Symbol	Value	Unit
,QSXW	)RUZDUG &XUUHQW)		,	
	5HYHUVH 9ROWDJH 95			
	-XQFWLRQ 7HPSHUDWXUH			
	,QSXW 3RZHU 'LVVLSDWLRQ	3,		P:
	3RZHU 'LVVLSDWLRQ 7D1	•3 '	'HUDWLQJ	P:
2XWSXW	2II VWDWH 2XWSXW 7HUPLQDO 9ROWDJH	92))		9
	3HDN 2Qí VWDWH &XUUHQW V SXOVH SSV	,73		
	2Q VWDWH 506 &XUU7H5Q6W		,	P$
	3HDN 5HSHWLWLYH 6XUJH &XUUHQW P3V	,760		
	-XQFWLRQ 7HPSHUDWXUH			
	2XWSXW 3RZHU 'LVVLS DWLRQ	3		P:

	3RZHU 'LVVLSDWLRQ 'HUDWLQJ 7D1	•3 '		P:
7RWDO 3RZHU 'LVVLSDWLRQ		3WRW		P:
,VRODWLRQ 9ROWDJH		9LVR	'	9UPV
2SHUDWLQJ 7HPSHUDWXUH		7RSU	a	
6WRUDJH 7HPSHUDWXUH		7VWJ	a	
6ROGHULQJ 7HPSHUDWXUH		7VRO	8	

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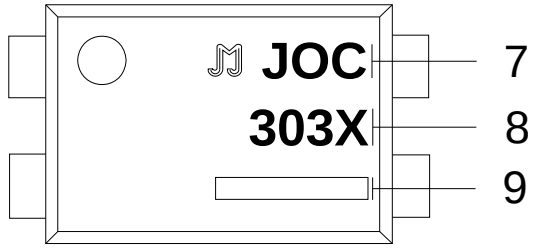
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Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
,QSXW	)RUZDUG 9RO WDJH	)	9P $	,			9
	5HYHUVH &XU UHQW	5	9	9			$
	,QSXW &DSDFLWDQFH	LQ	9 I &N+]				S)
	3HDN 2II VWDWH &XUUHQW (LWK,H)U 'LUHFWLRQ	92))	9)			„	

2XWSXW

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

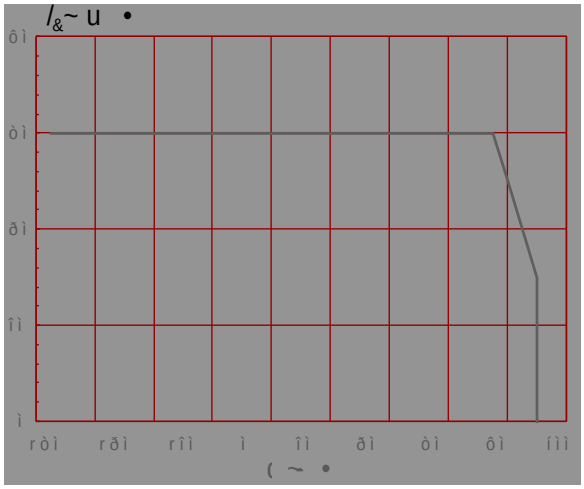
D Z < / E ' / E & K Z D d / K E



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FIG.1:)RUZDUG &XUUHQW YV $PELHQW 7HPSHUDWXUH **FIG.2:** 7HPSWDWLRQDO &XUUHQW 7HPSHUDWXUH



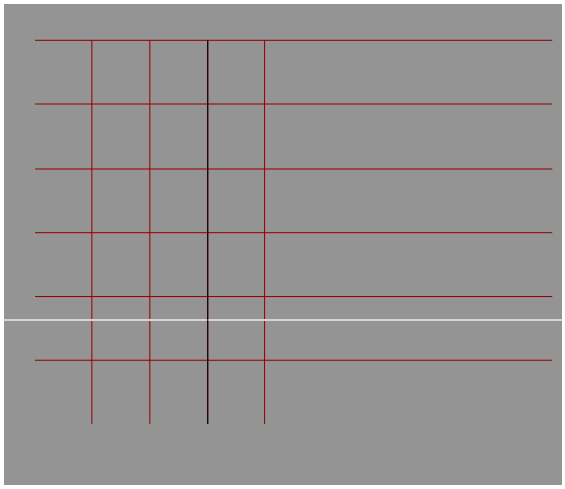


FIG.7: 1RUPDOL]HG 2HQ VWDWH 9ROWDJH YV $PELHQW 7HPSHUDWXUH

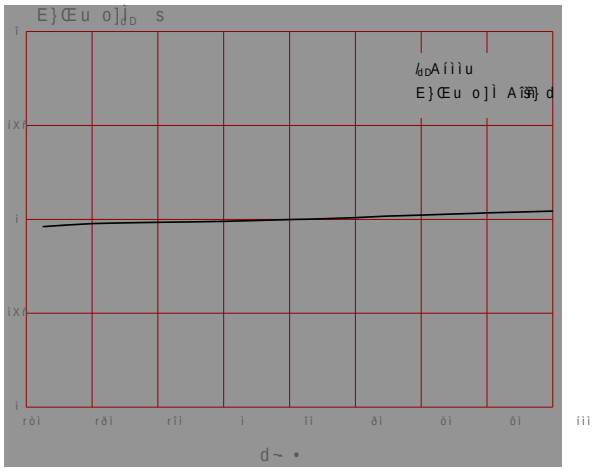
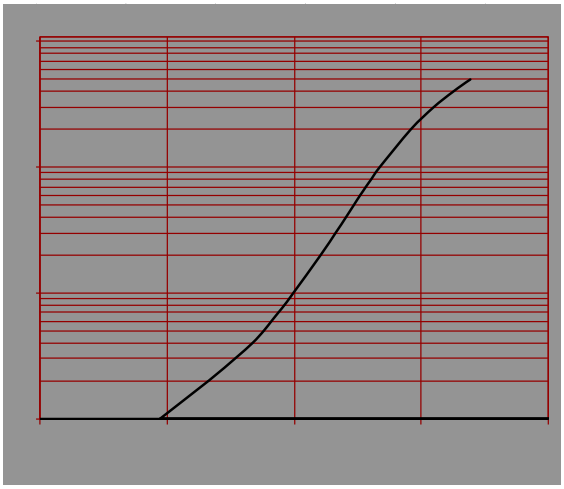


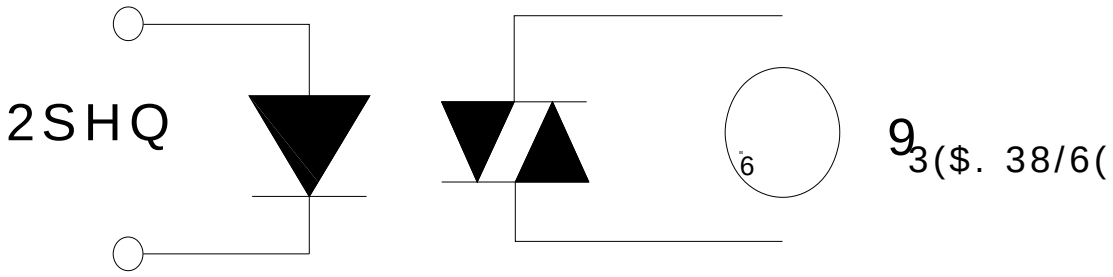
FIG.8: 2Q VWDWH 7HUPLQDO 9ROWDJH YV 7HUPLQDO &XUUHQW



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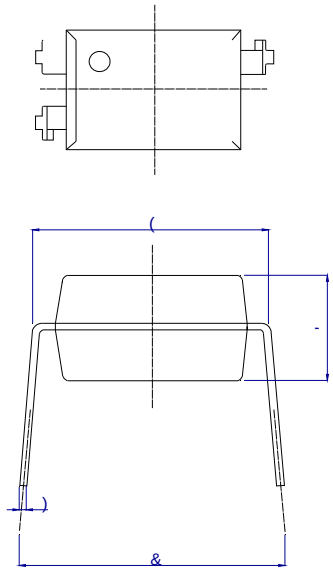
FIG.12: 7HVW &LUFXLWV RI 7XUQ 2Q 7LPH FIG.13: :DYHIRUPV RI 7XUQ 2Q 7LPH

Fig.14: Test Circuits of dV/dt

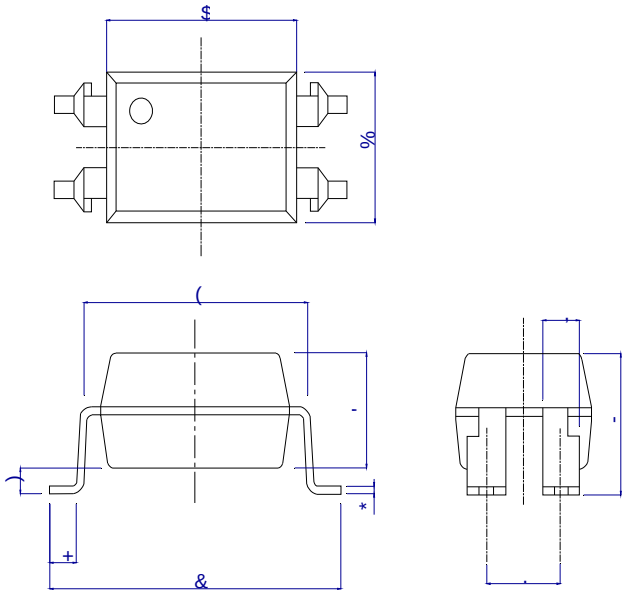


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Standard DIP Type:

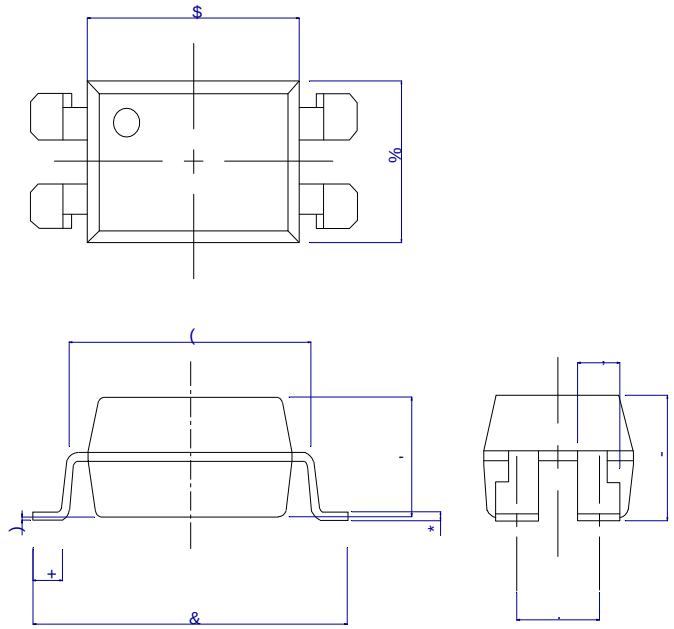


Option S Type:



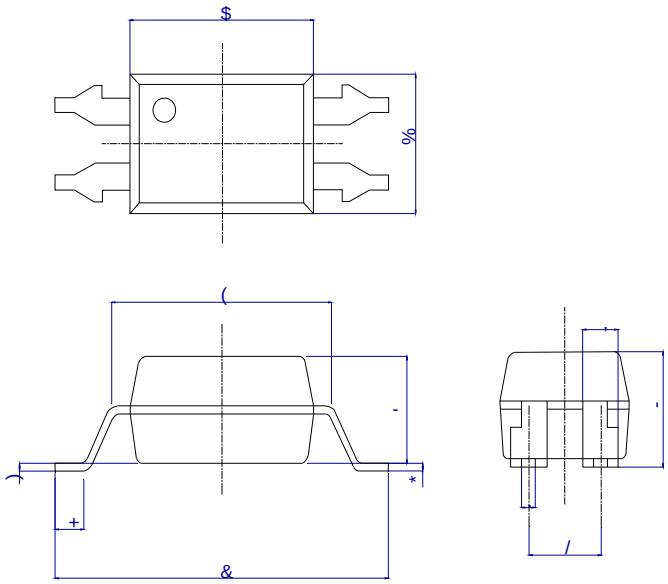
5HI	'LPHQVLRQV					
	0LOOLPHWHUV			,QFKHV		
	0LQ	7\S	0D[	0LQ	7\S	0D[
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Option SL Type:



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	0LQ	7\S	0D[	0LQ	7\S	0D[
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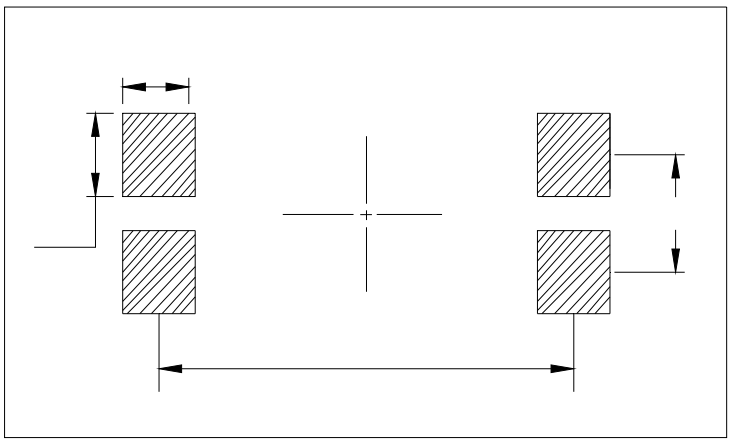
Option SLM Type:



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	0LQ	7\S	0D[	0LQ	7\S	0D[
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Option S/SL

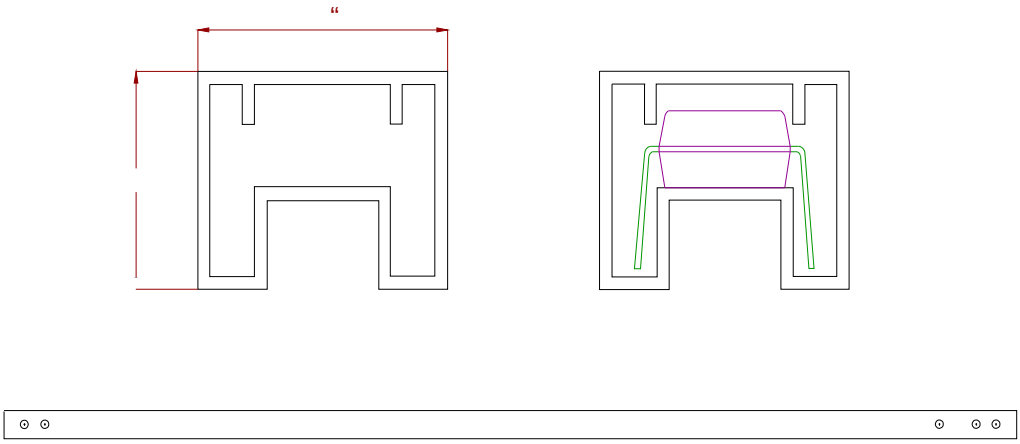


Option SLM

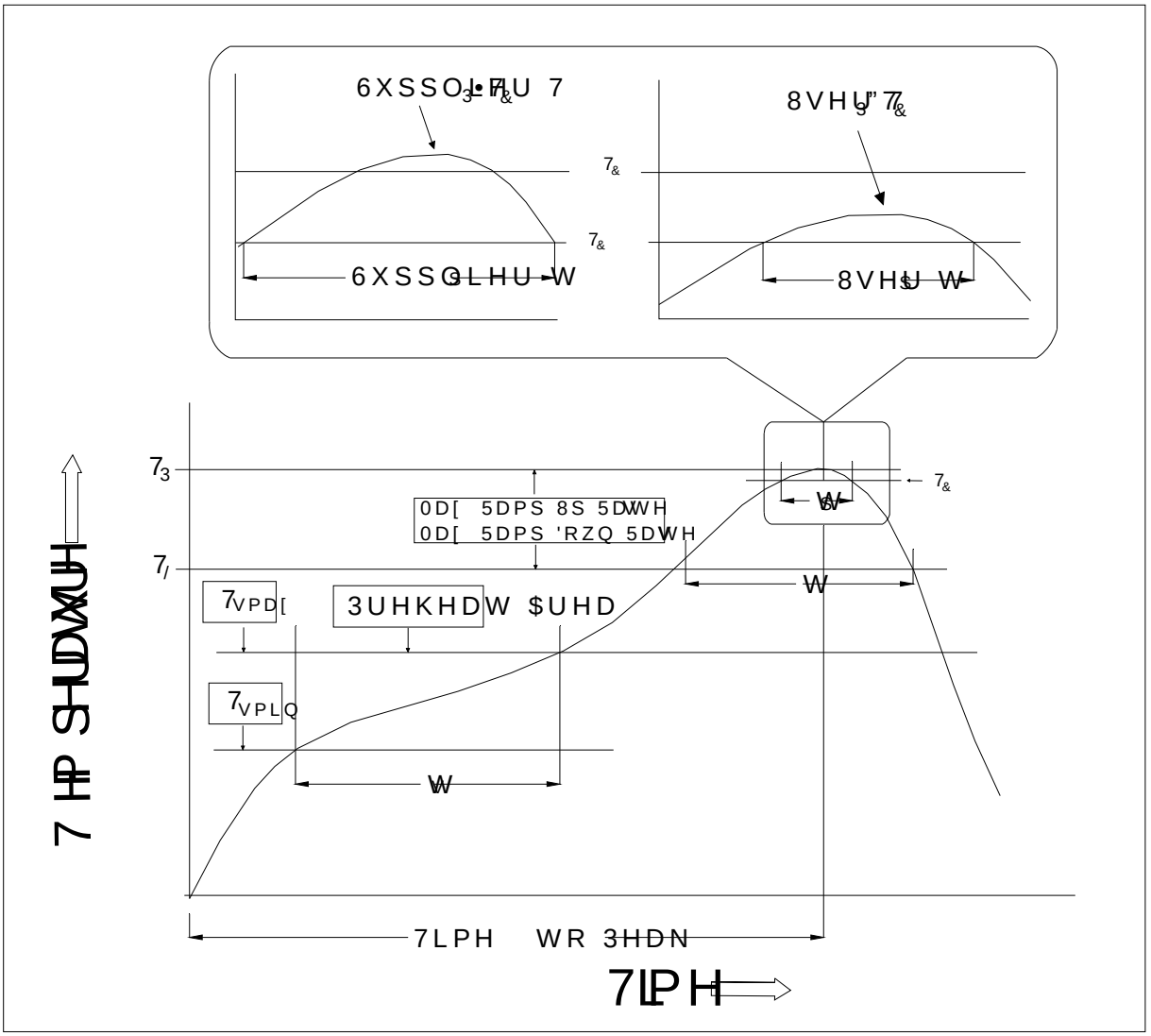


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Standard DIP



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Profile Feature	Sn-Pb Assembly Profile	Pb-Free Assembly Profile
7HPSHUDWXUH 0LQ	7VPLQ	
7HPSHUDWXUH 0D[	7VPD[	
7LPH WV IURP 7VPLQ WR 7VPD[	VHFRQGV	VHFRQGV
5DPS XS 5DWH W/ WR W3HDN	VHFRQG PD[	VHFRQG PD[
/LTXLGXV 7HPSHUDWXUH 7/		
7LPH W/ 0DLQWDLQHG $ERYH 7/	VHFRQGV	VHFRQGV
3HDN %RG\ 3DFNDJH 7HPSHUDWXUH		
7LPH W3 ZLWKLQ	VHFRQGV	VHFRQGV
5DPS GRZQ 5DWH	73 WR 7/ VHFRQG	VHFRQG
7LPH WR 3HDN 7HPSHUDWXUH	PLQXWH	PLQXWHV PD[

1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHG DVWKRVZKQH QVRHPSRHUHDWWKDQHWWRK

$YRLG GLUHFW FRQWDFWSRE[HQEGZGQWRXOLDFHV H[FHHGLQJ LWV PD
VWRUDJH WHPSHUDWXUH

$SSOLFDWLRQ RKHSUHSRV\XERGRQLWLSOHGDWHG WHPSHUDWXUHV ,Q V
VFHQDULRV DQ\HDPSXOVLHQGRWRH[FHHG 1

(QVXUH WKH FRPSRQHQW KDV FRROHG VURRFPEWKQZLXSVHUDXHQ
PDQXIDFWXULQJ VWHSV

7KH FRPSRQHQW HKDV BQVHKHOLZKHQVWRUGHGUXQGHUGLWLRQV

5HFRPPHQG VWRUDJH 7HPS a f&

5HFRPPHQG VWRUDJH KXPLGLW\

06/ OHYHO 06/

,QIRUPDWLRQ IXUQXVKHG LQ WKLV GRFXPHQW LV EHOLHYHG WR EH DFFXUDWH
-LDQJVX -LH-LH 0LFURHOHFWURQLFV &R/WG DVVXPHV QR UHVSRQVLELOLW
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRU LWV FKDUDFWHULVWLFV RU DQ\ LQ
LQ WKLV GRFXPHQW DQG JUDQWV QR OLFHQVH XQGHU DQ\ SDWHQW RU RWKH
VLJQHG -LDQJVX-LH-LH 0LFURHOHFWURQLFV &R/WG

3URGXFWV DQG LQIRUPDWLRQ SURYLGHG RQ WKH DJUHHPHQW
-LDQJVX -LH-LH DVVXPHV QR UHVSRQVLELOLW\ IRU VSRQ\LQIULQJHPHQW RI RW
ZKLFK PD\ UHVXOW IURP WKH XVH RI V7XKLV SURGXFW DQG WHFKQLFDO
DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXVO\ VXSSOLHG

LV D UHJLVWHUHG DQGJUDGHHDUN RI-LDQJVX-LH-LH 0LFURHOHFWURQLFV &R
&RS\ULJKW -LDQJVX -LH-LH 0LFURHOHFWURQLFV &R/WG $OO UHVH