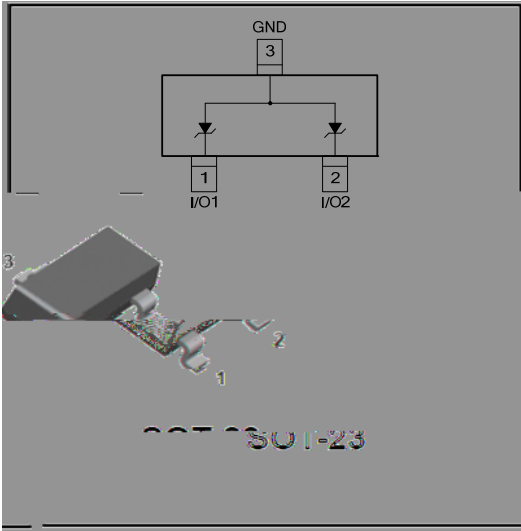
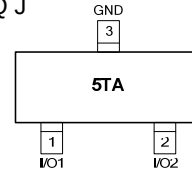


/LQH 8QL GLUHFWRQRDO 8OWUD ORZ
7UDQVLHQW 9ROWDJH 6XSSUHVVR

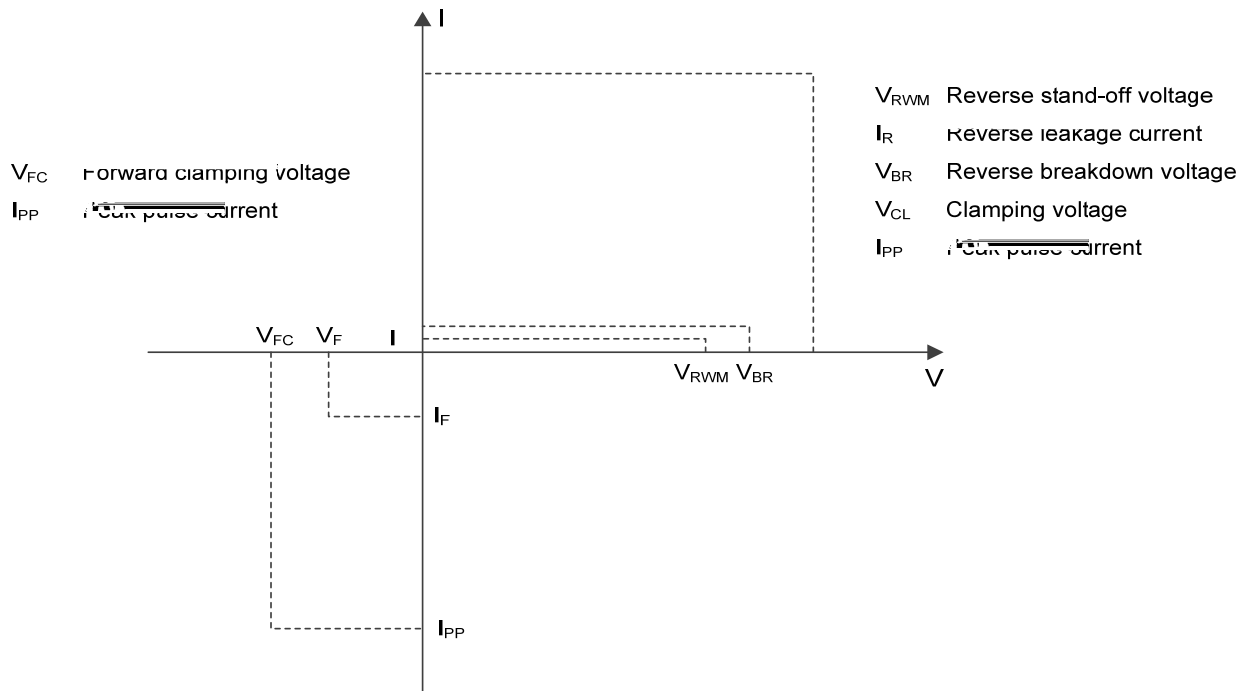


)HDWXUHV
" 6WDQG RII YROWDJH 9 0D[
"7UDQVLHQW SURWHFWLRQ IRU HDFK OLQH
, (& (6' " N9 FRQWDFW
, (& VXUJH \$ V
"8OWUD ORZ FDSDFLSYDQFH &
"/RZ OHDNDJH5FXSUWQSW ,
"/RZ FODPSLQJ &YROWDJH\ \$ # , \$
7/3
" 6ROLG VWDWH VLOLFWRQ WHFKQRORJ\
" +DORJHQ IUHH

0HFKDQLFDO 'DWD
" 3DFNDJH27
" 7HUPLOQLQVSODWHG OHDGV VROGHUDEO S
- 67' DQG -(6' %
" 0DUNLQJ



V'HILQLWLRQV RI HOHFWULFDO FKDUDFWHULVWLFV





(6 ' 6 / & 9 (

V0D[LPXP 5DWLQJV

3\$5\$0(7(5	6<0%2/	/,0,76	81,7
3HDN SXOVH ₅ SRZHU W	3 _{SN}		:
3HDN SXOVH ₅ FXUUHQW W	33		
(6' DFFRUGLQJ WR ,(& DLU GLVFKDUJH	9 _{(6'}	"	.9
(6' DFFRUGLQJ WR ,(& FRQWDFW GLVFKDUJH		"	
-XQFWLRQ WHPSHUDWXUH	-	7	R&
2SHUDWLQJ WHPSHUDWXUH	23	7 a	R&
6WRUDJH WHPSHUDWXUH	67*	7 a	R&

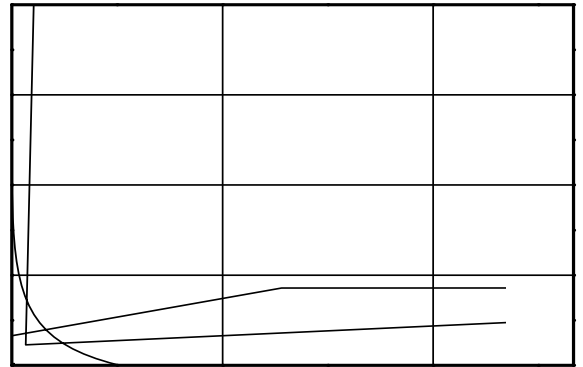
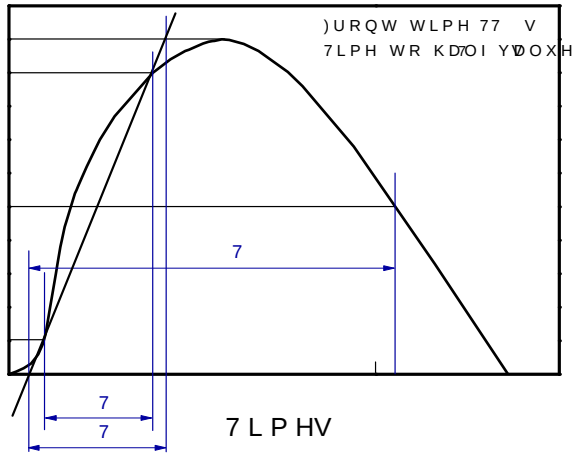
v(OHFWULFDO &K&VDFW8QLOHFWR WKHU&LVH VSHFLILHG

3\$5\$0(7(5	6\PERO	81,7	&RQGLWLRQV	0LQ	7\5	0D[
5HYHUVH PD[LPXP ZRUNLQJ YROWD ₅₀ JH		9	9			
5HYHUVH OHDNDJH FXUUHQW	5	Q\$	, 59 9			
5HYHUVH EUHDNGRZQ YROWDJH 9%5			7 P\$ 9		,	
)RUZDUG YROWDJH	)	9	7, P\$			
&ODPSLQJ ¹ YROWDJH	9&/	9	33 \$ _S W QV			
'\QDPLF UHV ₁ LVWDQFH	5<1					
&ODPSLQJ ² YROWDJH	9&/	9	96' N9			
&ODPSLQJ ³ YROWDJH	9&/	9	33 \$ _S W V			
		9	33 \$ _S W V			
-XQFWLRQ FDSDFLWDQFH			9 ₅ 9 I 0+] \$Q\ , 2 SLQ WR *1' & 9 ₅ 9 I 0+] %HWZHHQ DQ\ , 2 SLQ			

v&KDUDFWHU\SMFLFOV

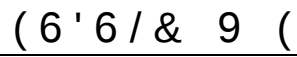
3H DN SXOVH FXUUHQW

ôñîµ• Á À (}œu %œ / òíììrðrñ }vš]• Z œP µœœ vš Á À (}œu %œ



o u%}vP À}oš P À•X W l %µo• µœœ vš %œ }š v À•X Z À

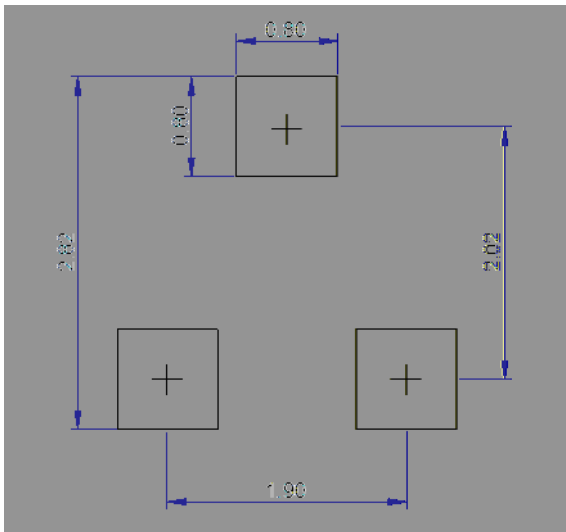
E}vrœ % š]š]À %œ l %µo• %œ}Á œ À•X WµpÁ œ]u œ š]vP À•X u] vš



$\wedge \zeta u \}$	$[u \vee \cdot] \} \vee \cdot] \vee u] o o] u \check{s}$		
	$D] \vee X$	$d \zeta \% X$	$D \text{ \AA}$
	$\grave{\imath} X \tilde{o} \grave{\imath} \grave{\imath} \text{ } r$	$\acute{\imath} X \acute{\imath} \grave{\imath}$	
$\acute{\imath}$	$\grave{\imath} X \grave{\imath} \grave{\imath} \text{ } r$	$\grave{\imath} X \acute{\imath} \grave{\imath}$	
$\hat{\imath}$	$\grave{\imath} X \tilde{o} \grave{\imath} \grave{\imath} \text{ } r$	$\acute{\imath} X \grave{\imath} \grave{\imath}$	
	$\grave{\imath} X \grave{\imath} \grave{\imath} \text{ } r$	$\grave{\imath} X \grave{\imath} \grave{\imath}$	
	$\grave{\imath} X \grave{\imath} \tilde{o} \grave{\imath} \text{ } r$	$\acute{\imath} X \acute{\imath} \grave{\imath}$	
	$\hat{\imath} X \tilde{o} \grave{\imath} \grave{\imath} \text{ } r$	$\grave{\imath} X \grave{\imath} \grave{\imath}$	
	$\acute{\imath} X \hat{\imath} \grave{\imath} \text{ } r$	$\acute{\imath} X \tilde{o} \grave{\imath}$	
$\acute{\imath}$	$\hat{\imath} X \hat{\imath} \grave{\imath} \text{ } r$	$\hat{\imath} X \grave{\imath} \grave{\imath}$	
	$\grave{\imath} X \tilde{o} \grave{\imath} \tilde{n} \tilde{d} z W$		
$\acute{\imath}$	$\acute{\imath} X \tilde{o} \grave{\imath} \text{ } r$	$\hat{\imath} X \grave{\imath} \grave{\imath}$	
$>$	$\grave{\imath} X \grave{\imath} \grave{\imath} \tilde{n} \tilde{z} \text{ \&}$		
$> \acute{\imath}$	$\grave{\imath} X \acute{\imath} \text{ } r$	$\grave{\imath} X \grave{\imath} \grave{\imath}$	
$\}$	$\grave{\imath} \text{ \pounds}$	r	$\tilde{o} \text{ \pounds}$



v 6 R O G H U L Q J) R R W S U L Q W



1 R W H V
7 K L V U H F R P P H Q G H G O D Q G S D W W H U Q L V O H P U H J F H Q U H Q F M S X U S P V D Q X I D Q W X U 3 Q J J U
G H V L J Q J X L G H O L Q H V D U H P H W



(6 ' 6 / & 9 (

'LVFODLPHU

7KH LQIRUPDWLRQ SURGXFWHQW LV IRXVLVHQW LQ RQH RQDMLH (OHFWURQLF 7HFKQRO