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v0D[LPXP 5DWLQJV

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(6' DFFRUGLQJ WR ,(& FRQWDFW		"	
-XQFWLRQ WHPSHUDWXUH	-	ā	
6WRUDJH WHPSHUDWXUH	67*	7a	

1RWHV

&\$87,21 6WUHVHV DERYH WKRVH OLVWJHG PQ\³\$BXRXSWHUDDQJQW 6DWDOH WRWKRIQCPSDRQHQQWDQGLV LV D VWUH RSHUDWLRQ RI WKH FRPSRQHQW DW WKHWHFRVH DQGRWKWHGF RQGVMHRSVHDEWRQ QVQRMFWRSQVHBI WKLV VSHFLILF

v(OHFWULFDO &KÄVDFWVHULVWLFV

	3\$5\$0(7(5	6\PERO	81,7	&RQGLWLRQV	0LQ	7\S	0D[
5HYHUVH 6WDQGRII 9ROWDJH 5:0		9	9				
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5HYHUVH OHDNDJH FXUUHQW 5		\$	, 9:0 9				
&ODPSLQJ YROWDJH	&	9	33 \$ s W V				
		9	33 \$ s W V		9		
		9	33 \$ s W V				
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W I Wµo• µÆÆ vš	,33		s \$ V				W
-XQFWLRQ FDSDFLWDQFH	-		& 5 \$ I 0)+]				

1RWHV

1RQ UHSHWLWLPHHDFXURWQJQJSD ,(& 7/3 SDUDPHWHW= QV WQV DYHUDJLQJ ZLQGRZ IURPV FQDWRDQMG5IURP \$ V

v2UGHULQJ ,QIRUPDWLRQ ([DPSON

35())5(' 3 1	3\$&.,1* &2'(81,7 :(): 03 9
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v & KDUDFWHULVWLFV 7\SLFDO

3HDN 3XOVH &XUHHQW

)LJ V 3XOVH :DYHIRUP

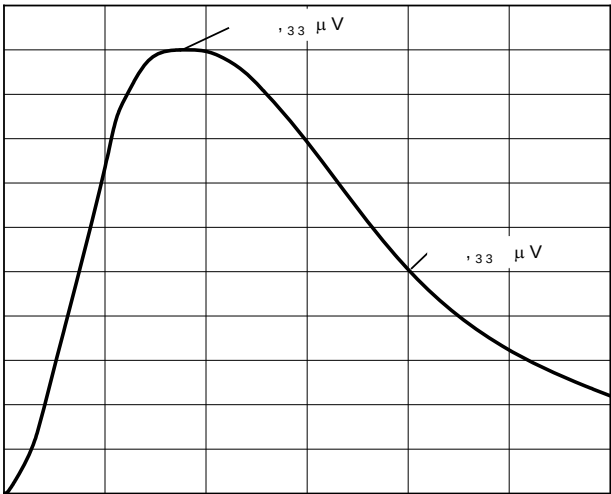
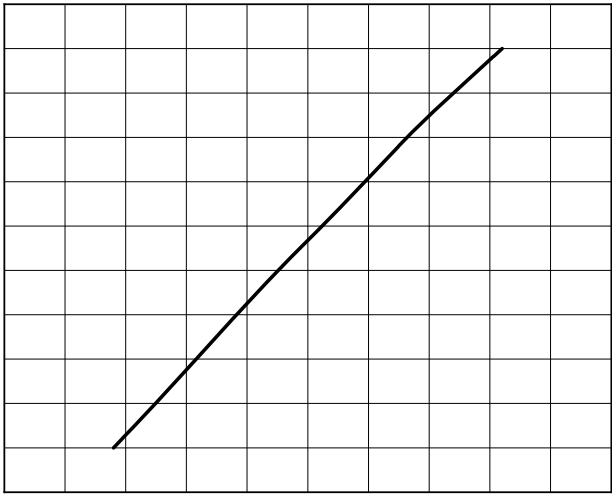


Fig.2:Peak Pulse Current vs Clamping Voltage

IPP Peak Pulse Current (A)



VC Clamping Voltage (V)

7LP_HV

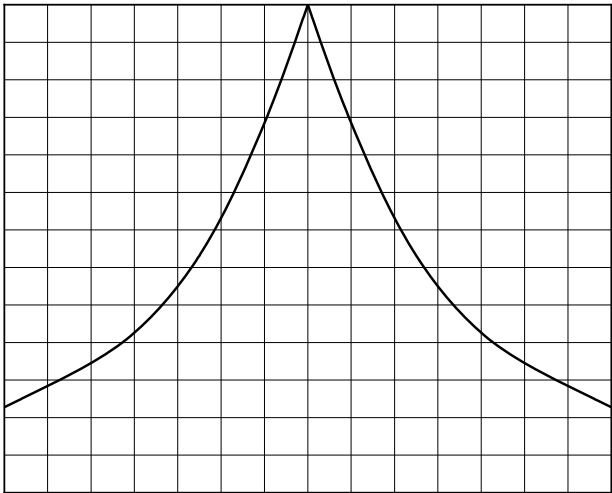
)LJ 3RZHU 'HUDWLQJ &XUYH

RI 5DWHG 3RZHU ,



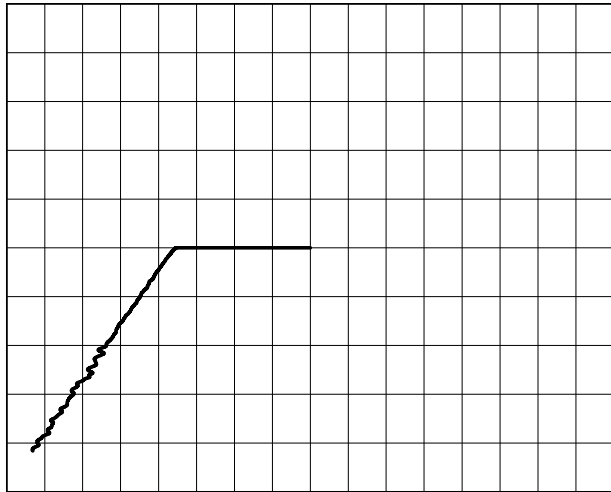
Fig.4: Capacitance vs. Bias

Capacitance(pF)



Bias Voltage(V)

\$PELHQW 7HPSHUDWXUH 7



v 2XWOLQH 'LPHQVLRQV

v 0 D U N L Q J , Q I R U P D W L R Q

Ó ^ X

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1RWH
$OO PDUNLQJ LV DW PLGGOH RI WKH SURGXFW ERG\
$OO PDUNLQJ LV LQ ODVHU PDUNLQJ
%RG\ FRURU %ODFN
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'LVFODLPHU

7KH LQIRUPDWLRQ SURGXFWLRQ LQ IRUHLWIDJHJHQRH<DQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQHVRZLWKRXWSKRLSURGXFWV RGLWSOD\HG KHUHLQ WURGLPSURQY
RU RWKHUZZLVH

7KH SURGXFWQLVGHV\KJHGL WR EH MVIHGHZEDRQJWWP&WLYJQHGI RU XVH LQ PHG
VDYLQJ OLIHVXVWBDDQJLHURUPDQVQH DQVXPHVHQR UOLSEQOLEWLRW\BQWGPDUH
P VXFK LPSURSHU XVH RI VDOH

7KLV SXEOLFDWLRQISXDSHUWIDGJVLQURUPDQVLSRQLSGHYLRXDGGLWLRQDO LQWRHUPDWLR
KWVZZ \DQJMLHRRRPRQVXOW \RXU QHDUHVW <DQJMLHWDQVFBIOHV RIILFH IRU IXUW