





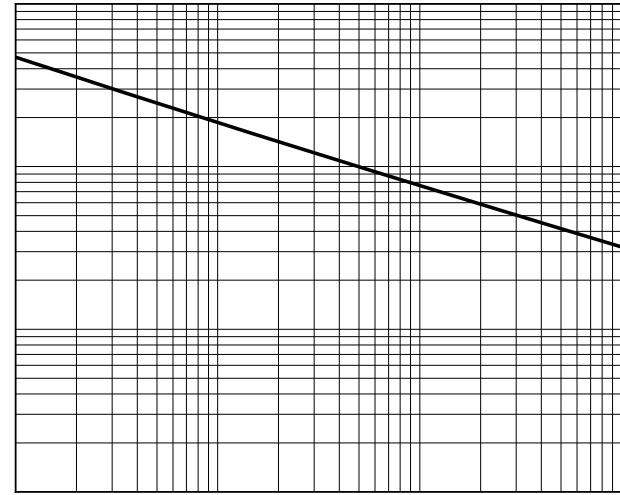
( 6 ' 9 / % \$ 4

V0D[LPXP 5DWLQJV

		6 < 0 % 2 /	/ , 0 , 7 6	8 1 , 7
3#D)N%SXOVH	SRZHV W	3SN		:
(6' DFFRUGLQJ WR ,(&	DLU GLVFKDUJH		"	.9
(6' DFFRUGLQJ WR ,(&	FRQWDFW tt(3•`âf† S2€Pc@ 0			

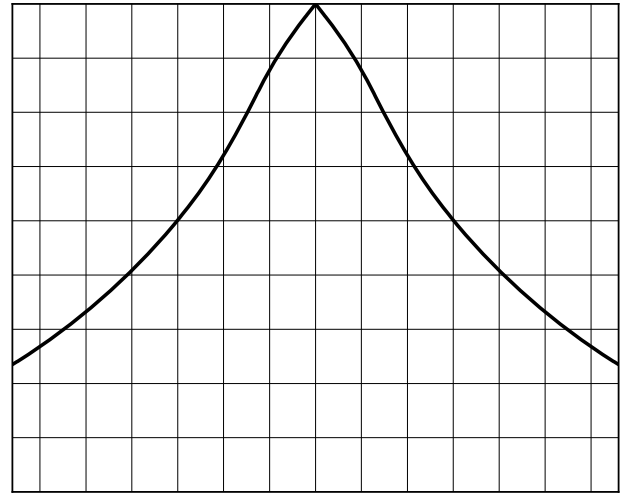
v&KDUDFWHULVWLFV 7\SLFDO

6 KGQ V[R YK VUJ KX



Capacitance (pF)

Fig. 4: Capacitance vs. Bias

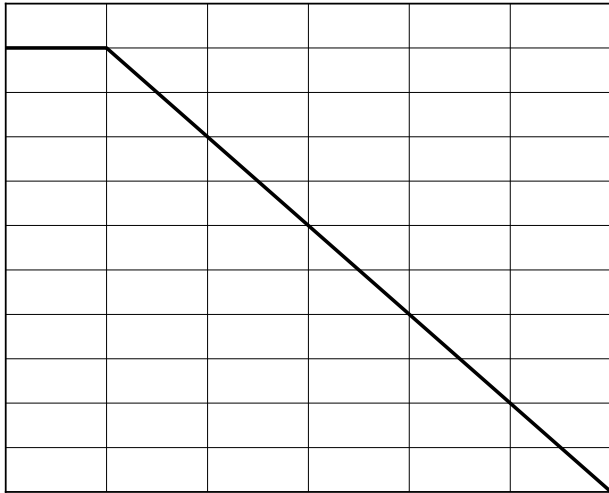


Bias Voltage (V)

6[R YK ZOSK [Y

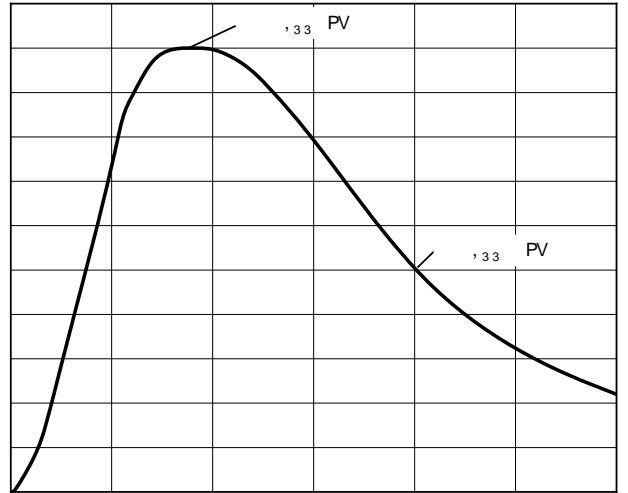
)LJ 3RZHU 'HUDWLQJ & XUY

RI 5DWHG 3RZHU



\$PELHQW 7HPSHUDWXUH 7

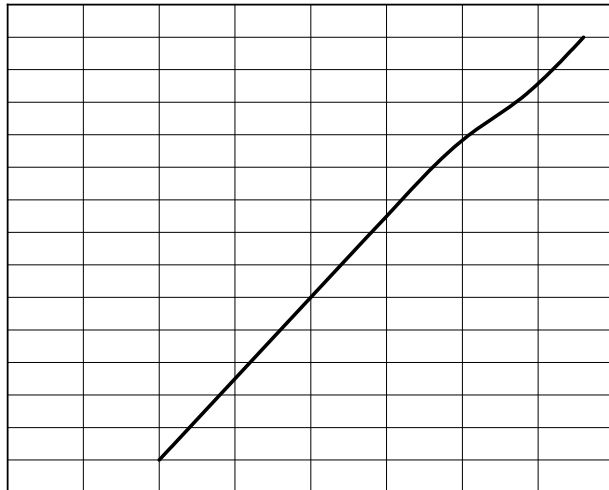
3HDN 3XOVH & XUYUHQW



7LPV

Fig.5: Peak Pulse Current vs Clamping Voltage

IPP Peak Pulse Current (A)



VC Clamping Voltage (V)

( 6 ' 9 / % \$ 4

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( 6 ' 9 / % \$ 4

'LVFODLPHU

7KH LQIRUPDWLRQ SGRF ~~MDM~~ ~~QHG~~ LQ IR ~~KL~~ ~~DI~~ ~~HJ~~ ~~K~~ ~~R~~ ~~H~~ ~~B~~ ~~Q~~ ~~MLH~~ (OHFWURQLF 7HFKQRO  
ULJKW WR PDNH FKDLFHHVRZLWKR XWS ~~Q~~ ~~R~~ ~~S~~ ~~L~~ ~~U~~ ~~R~~ ~~D~~ ~~G~~ ~~X~~ ~~I~~ ~~R~~ ~~V~~ / RGLWSOD\HG KHUHLQ WURGLPVLURQ  
RU RWKHUZLVH

7KH SURGXFW ~~OLV~~ ~~VGH~~ ~~V~~ ~~K~~ ~~J~~ ~~U~~ ~~H~~ ~~G~~ WR EH ~~M~~ ~~V~~ ~~H~~ ~~G~~ ~~H~~ ~~Z~~ ~~E~~ ~~V~~ ~~D~~ ~~H~~ ~~R~~ ~~D~~ ~~X~~ ~~R~~ ~~P~~ ~~G~~ ~~W~~ ~~V~~ ~~Y~~ ~~J~~ ~~Q~~ ~~H~~ ~~G~~ IRU XVH LQ PHG  
VDYLQJ OLIHVXVW ~~B~~ ~~D~~ ~~Q~~ ~~J~~ ~~M~~ ~~L~~ ~~H~~ ~~R~~ ~~R~~ ~~P~~ ~~D~~ ~~Q~~ ~~V~~ ~~Q~~ ~~H~~ ~~B~~ ~~Q~~ ~~V~~ ~~X~~ ~~P~~ ~~H~~ ~~E~~ ~~H~~ ~~R~~ ~~U~~ ~~D~~ ~~S~~ ~~E~~ ~~Q~~ ~~L~~ ~~E~~ ~~M~~ ~~C~~ ~~R~~ ~~W~~ ~~B~~ ~~R~~ ~~O~~ ~~W~~ ~~G~~ ~~P~~ ~~D~~ ~~U~~ ~~R~~  
P VXFK LPSURSHU XVH RI VDOH

7KLV SXEOLFDWLRQ ~~S~~ ~~V~~ ~~O~~ ~~S~~ ~~F~~ ~~H~~ ~~U~~ ~~D~~ ~~G~~ ~~I~~ ~~V~~ ~~L~~ ~~Q~~ ~~U~~ ~~R~~ ~~A~~ ~~P~~ ~~D~~ ~~X~~ ~~S~~ ~~L~~ ~~S~~ ~~Q~~ ~~L~~ ~~I~~ ~~S~~ ~~G~~ ~~H~~ ~~Y~~ ~~R~~ ~~U~~ ~~X~~ ~~D~~ ~~G~~ ~~G~~ ~~L~~ ~~W~~ ~~R~~ ~~Q~~ ~~D~~ ~~O~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~P~~ ~~D~~ ~~W~~ ~~L~~ ~~R~~  
KWW [VZ](#) [\DQJMLHRR](#) ~~R~~ ~~P~~ ~~R~~ ~~Q~~ ~~V~~ ~~X~~ ~~O~~ ~~W~~ \RXU QHDUHVW <DQJMLVHM ~~D~~ ~~Q~~ ~~F~~ ~~D~~ ~~H~~ ~~O~~ ~~H~~ ~~V~~ RILFH IRU IXUW