



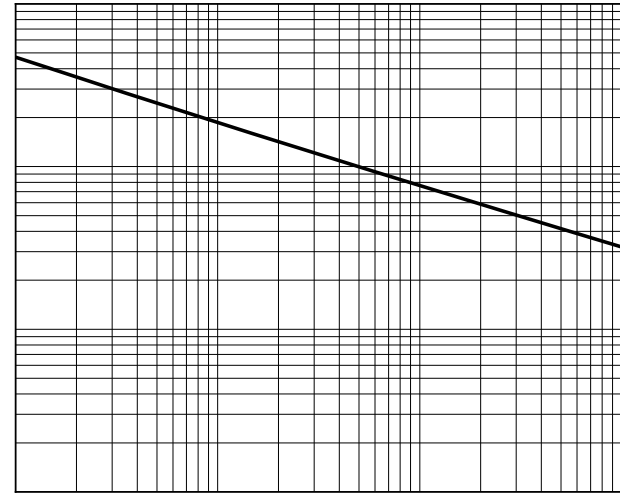
(6 ' 9 / % \$ 4

V0D[LPXP 5DWLQJV

3\$5\$0(7(5	6<0%2/	/,0,76	81,7
3HDN SXOVH SRZHV W	3SN		:
(6' DFFRUGLQJ WR ,(& DLU GLVFKDUJH	9(6'	"	.9

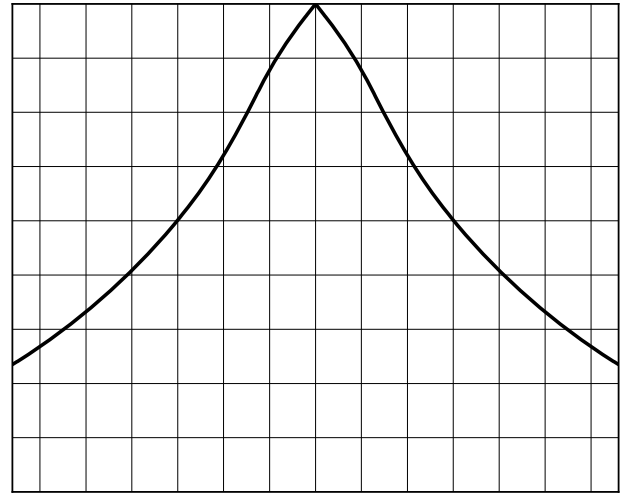
v&KDUDFWHULVWLFV 7\SLFDO

6 KGQ V[RYK VUJKX



Capacitance(pF)

Fig. 4: Capacitance vs. Bias

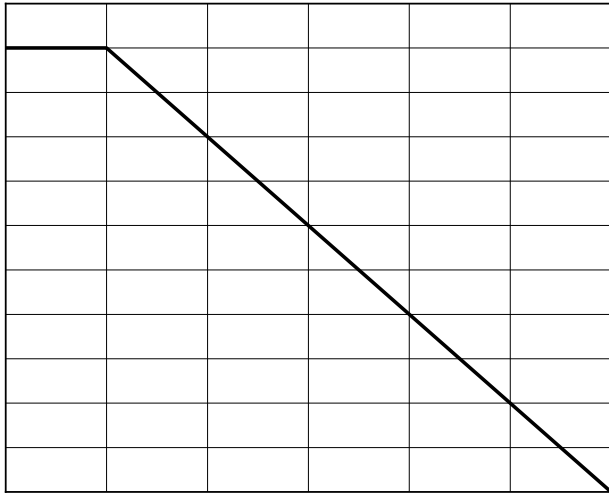


Bias Voltage(V)

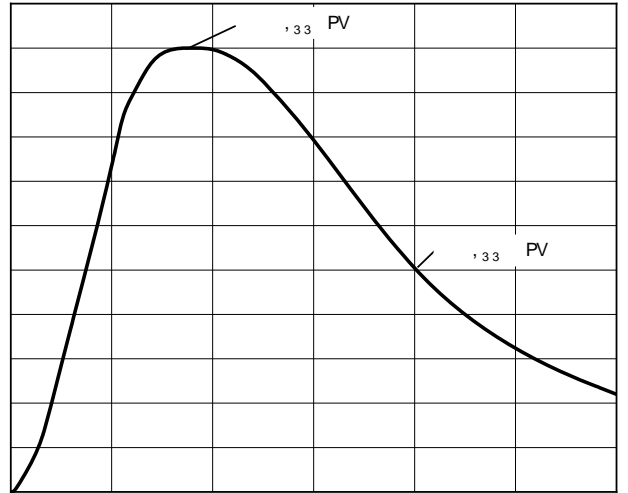
6[RYK ZOSK [Y

)LJ 3RZHU 'HUDWLQJ &XUW

RI 5DWHG 3RZHU



3HDN 3XOVH &XUW

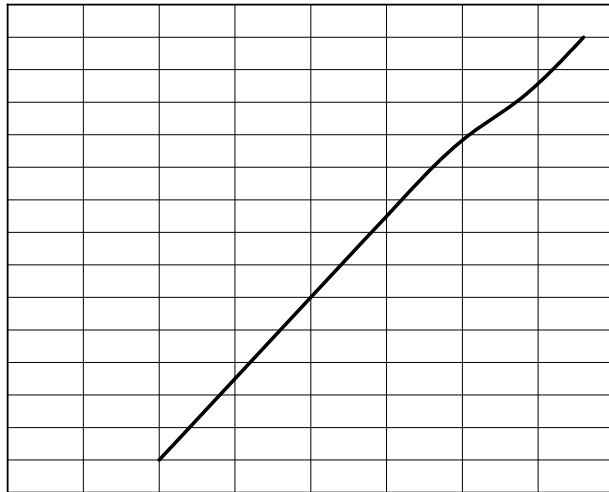


\$PELHQW 7HPSHUDWXUH 7

7LPV

Fig.5:Peak Pulse Current vs Clamping Voltage

IPP Peak Pulse Current (A)



VC Clamping Voltage (V)

(6 ' 9 / % \$ 4



(6 ' 9 / % \$ 4

'LVFODLPHU

7KH LQIRUPDWLRQ SGRV ~~MDM~~ ~~QHG~~ LQ IR ~~KL~~ ~~DI~~ ~~HJ~~ ~~K~~ ~~R~~ ~~H~~ ~~B~~ ~~Q~~ ~~MLH~~ (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDL ~~CF~~ ~~JH~~ ~~VR~~ ~~ZL~~ ~~WK~~ ~~R~~ ~~X~~ ~~VS~~ ~~K~~ ~~FR~~ ~~S~~ ~~UR~~ ~~D~~ ~~G~~ ~~X~~ ~~FR~~ ~~V~~ ~~R~~ ~~G~~ ~~L~~ ~~W~~ ~~S~~ ~~O~~ ~~D~~ ~~\~~ ~~H~~ ~~G~~ ~~K~~ ~~H~~ ~~U~~ ~~H~~ ~~L~~ ~~Q~~ ~~W~~ ~~R~~ ~~G~~ ~~H~~ ~~P~~ ~~S~~ ~~L~~ ~~W~~ ~~R~~ ~~Y~~
RU RWKHU ZLVH

7KH SURGXFW ~~OL~~ ~~V~~ ~~G~~ ~~H~~ ~~V~~ ~~K~~ ~~J~~ ~~H~~ ~~G~~ WR EH ~~M~~ ~~V~~ ~~H~~ ~~G~~ ~~H~~ ~~Z~~ ~~E~~ ~~V~~ ~~D~~ ~~H~~ ~~R~~ ~~D~~ ~~X~~ ~~R~~ ~~V~~ ~~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~~ ~~V~~ ~~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 ~~IS~~ ~~VS~~ ~~SH~~ ~~H~~ ~~U~~ ~~D~~ ~~G~~ ~~I~~ ~~V~~ ~~L~~ ~~Q~~ ~~U~~ ~~R~~ ~~A~~ ~~P~~ ~~D~~ ~~X~~ ~~S~~ ~~L~~ ~~S~~ ~~Q~~ ~~I~~ ~~S~~ ~~G~~ ~~H~~ ~~Y~~ ~~R~~ ~~U~~ ~~X~~ ~~D~~ ~~G~~ ~~G~~ ~~L~~ ~~W~~ ~~R~~ ~~Q~~ ~~D~~ ~~O~~ ~~L~~ ~~Q~~ ~~W~~ ~~H~~ ~~P~~ ~~D~~ ~~W~~ ~~R~~
KWW [VZ](#) [\DQJMLHRR](#) ~~R~~ ~~P~~ ~~R~~ ~~Q~~ ~~V~~ ~~X~~ ~~O~~ ~~\~~ ~~R~~ ~~X~~ ~~U~~ ~~Q~~ ~~H~~ ~~D~~ ~~U~~ ~~H~~ ~~V~~ ~~W~~ ~~<~~ ~~D~~ ~~Q~~ ~~J~~ ~~M~~ ~~L~~ ~~H~~ ~~R~~ ~~R~~ ~~\~~ ~~D~~ ~~Q~~ ~~J~~ ~~M~~ ~~L~~ ~~H~~ ~~P~~ ~~R~~ ~~Q~~ ~~L~~ ~~&~~ ~~R~~ ~~/~~ ~~VZ~~ ~~\~~ ~~D~~ ~~Q~~ ~~J~~ ~~M~~ ~~L~~ ~~H~~ ~~P~~ ~~R~~ ~~Q~~ ~~L~~ ~~&~~ ~~R~~