JOCMA36V-VS4

Rev.A.1.0

^ Z/Wd/KEW

7KH SURGXFWV DUHODSLQ 7KHWLHYLFH LV D YHU\ VPDOO RXWOLQHG SRWRUHOD\ VXLWDEOH IRU VXUIDFH P DVVHPEO\ ,W FRQVLVWV RI DQ LQIUDUHG /(' RSWLFDOO\ F SKRWR 026)(7 DQG LV96R1XSSOLHG LQ DH ,W IHDWXUHV ORZ RXWSXW FDSDFLWDQFH DQG ORZ RQ VZLWFKLQJ RI KLJK IUHTXHQF\ VLJQDOV PDNLQJ LW DSSOLFDWLR LQ KLJK VSHHG WHVWHUV 7KH SURGXFH LQ DXWRPDWL WHVW HTXLSPHQW KLJK VSHHG FKHFNV PHPRU\ WHVWHUV DQG PHDVXULQJ LQVWUXPHQWV

D /E & dhZ ^

,VRODWLRQ YROWDJH

2SHUDWLQJ WHPSHUDWXUH ƒ& WR ƒ&

5($&+ 5R+6 FRPSOLDQFH

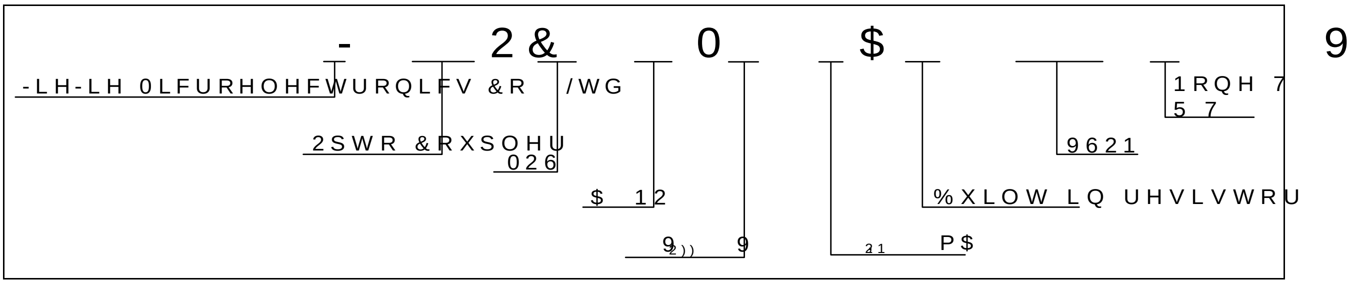
+%0 + $ 00 0 &'0 &

^K>hd D y/DhD Z d/E'^ 7HPSHUDWXUH ƒ&

Parameter		Symbol	Value	Unit
,QSXW	,QSXW)RUZDUG 9ROWDJH	,1	9	
	5HYHUVH 9ROWDJH	9_5		
	,QSXW 3RZHU 'LVVLSDWLRQ	'	3	
'HWHFWRU	2II VWDWH 2XWSXW 7HUPLQDO 9ROWDJH	$9_{2))}$		
	2Q VWDWH &XUUHQW	$,_{21}$		P$
	2Q VWDWH &XUUHQW	$_{21}$ SXOVHG	,	P$
,VRODWLRQ 9ROWDJH		9_{LVR}	^{7}	9UPV
2SHUDWLQJ 7HPSHUDWXUH		7_{RSU}	a	

-XQFWLRQ 7HPSHUDWXUH 7_M

KZ Z/E' /E&KZD d/KE



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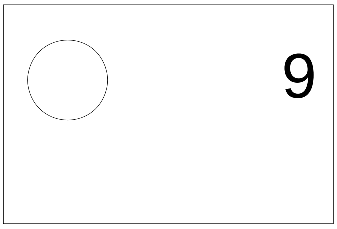

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FIG.1: 2SHUDWLQJ 9ROWDJH YV $PE

7HPSHUDWXUH

FIG.2: 2Q VWDWH &XUUHQW YV $PEL

7HPSHUDWXUH

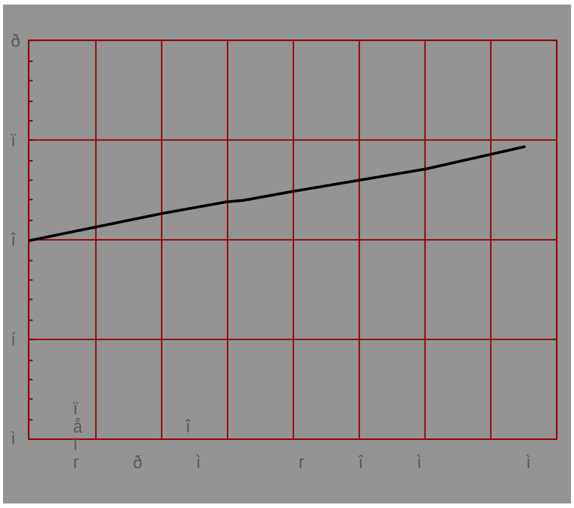

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FIG.7: 2II VWDWH &XUUHQW YV 2II VWDWH 9ROWDJH

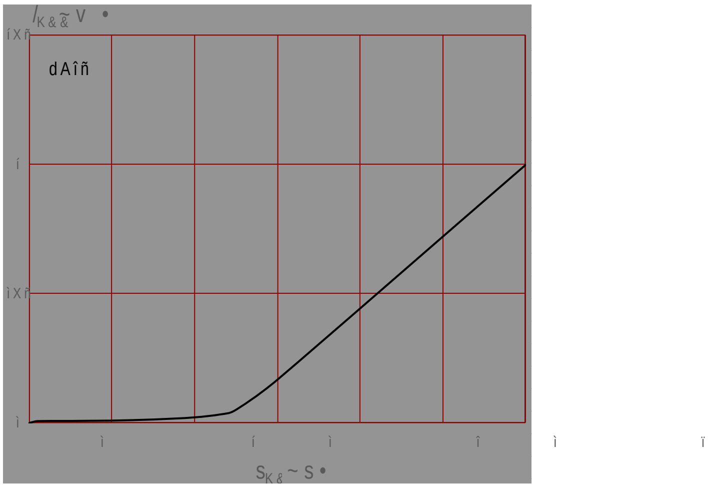


FIG.8: &XUUHQW YV $P
7HPSHUDWXUH

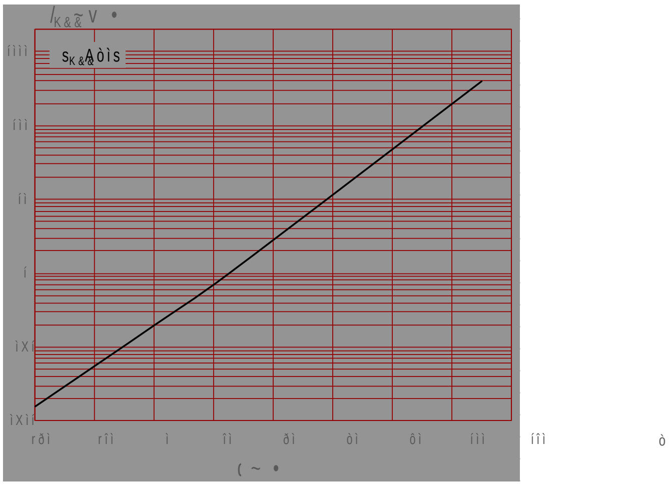


FIG.9: 2Q 5HVLVWDQFH YV $PELHQW 7HPSHUDWXUH

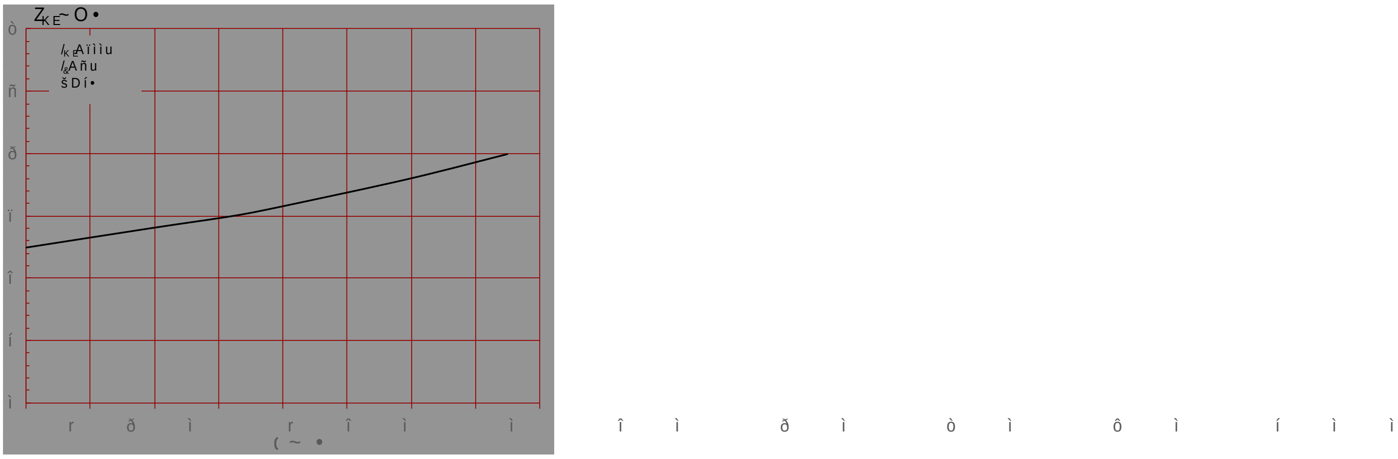
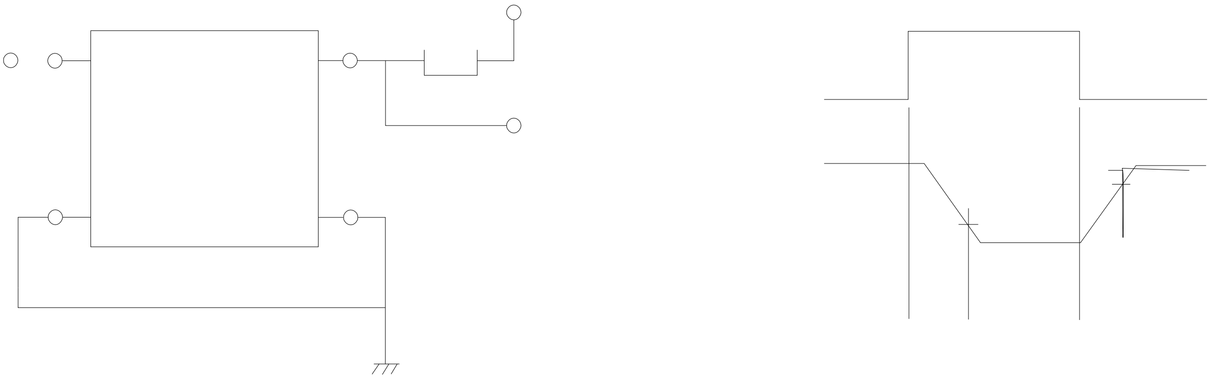


Fig.10: Switching Time Test Circuit and Waveform



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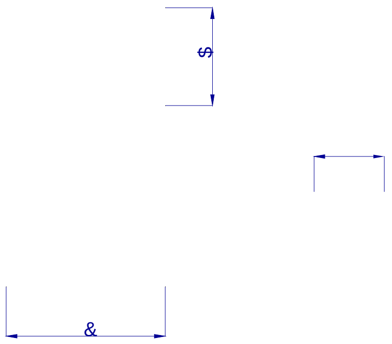

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5HI	'LPHQVLRQV					
	0LOOLPHWHUV			,QFKHV		
	0LQ	7\S	0D[	0LQ	7\S	0D[
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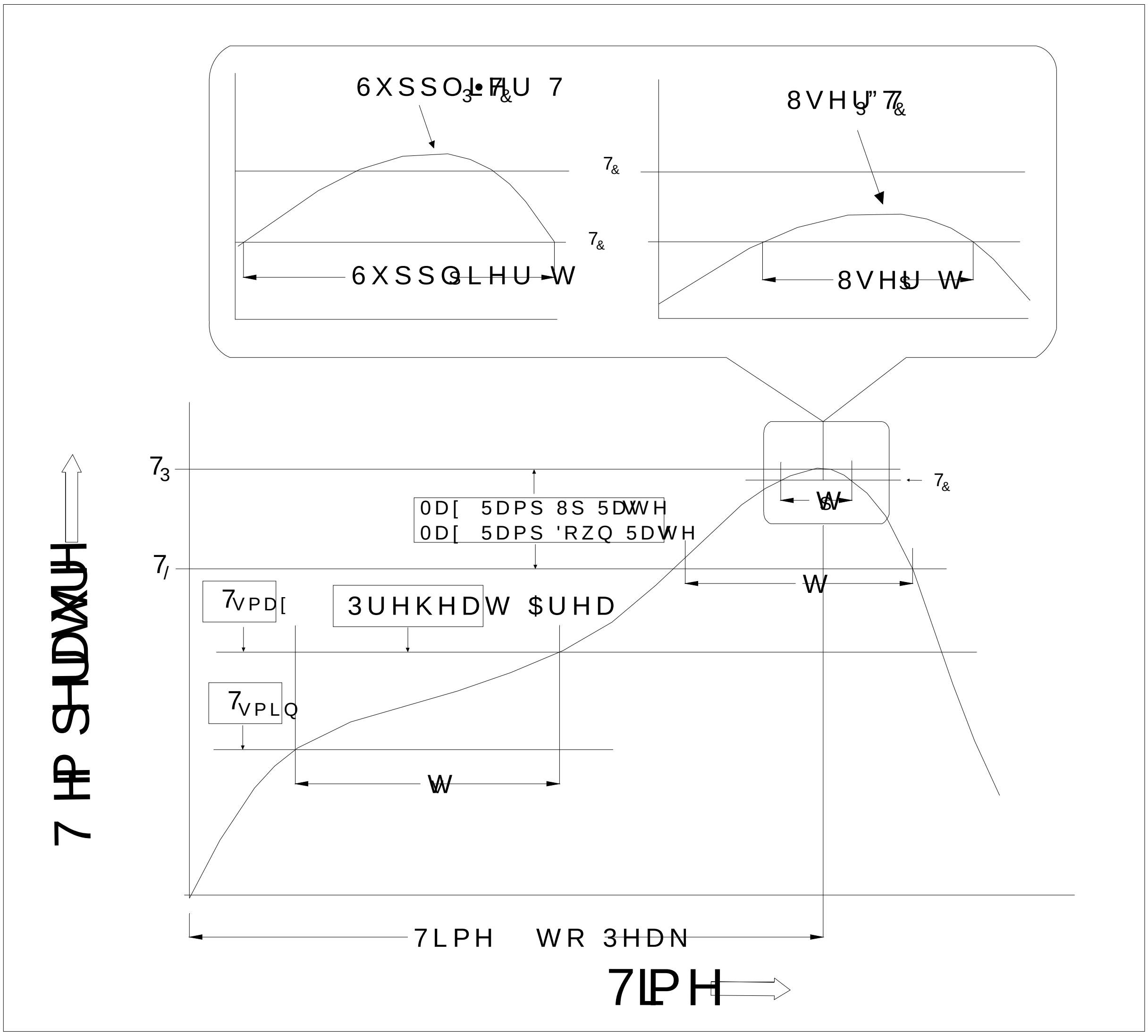

Profile Feature	Sn-Pb Assembly Profile	Pb-Free Assembly Profile
7HPSHUDWXUH 0LQ	7VPLQ	
7HPSHUDWXUH 0D[	7VPD[	
7LPH WV IURP 7VPLQ WR 7VPD[		VHFRQGV
5DPS XS 5DWH W/ WR W3	VHFRQG PD[	VHFRQG PD[
/LTXLGXV 7HPSHUDWXUH 7/		
7LPH W/ 0DLQWDLQHG $ERYH 7/		VHFRQGV
3HDN %RG\ 3DFNDJH 7HPSHUDWXUH		
7LPH W3 ZLWKLQ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

1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHGV DW KRW ZKH QWHPSHUDWXUH

$YRLG GLUHFW FRQWDFW ZLWK EHQW FRQGXFWRUV H[FHHGLQJ LWV PD VWRUDJH WHPSHUDWXUH

$SSOLFDWLRQ RI KHDW VXSSO\ HG DQG WHPSHUDWXUHV ,Q VFHQDULRV DQ\ DSSOLFDWLRQ WR H[FHHG 1

(QVXUH WKH FRPSRQHQW KDV FRROHG VXIILFLHQWO\ EHIRUH PDQXIDFWXULQJ VWHSV

7KH FRPSRQHQW KDV DQ HOHFWULFDO VWDQGDUG FRQGLWLRQV

5HFRPPHQG VWRUDJH 7HPS a ƒ&

5HFRPPHQG VWRUDJH KXPLGLW\

06/ OHYHO 06/

,QIRUPDWLRQ IXUQLVKHG LQ WKLV GRFXPHQW LV EHOLHYHG WR EH DFFXUDWH
-LDQJVX -LH-LH 0LFURHOHFWURQLFV XPHQW Q\ MURHOYH GF