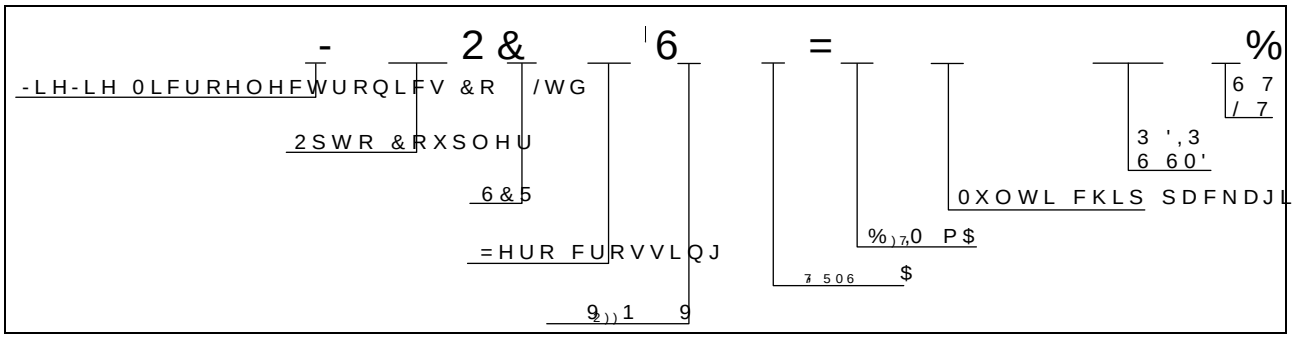
,VRODWLRQ 9ROWDJH	9_{LVR}	[8]	9UPV
2SHUDWLQJ 7HPSHUDWXUH	7_{RSU}	a	
-XQFWLRQ 7HPSHUDWXUH	7_{M}		
6WRUDJH 7HPSHUDWXUH	7_{VWJ}	a	
6ROGHULQJ 7HPSHUDWXUH	7_{VRO}		
3HDN SXOVH YROWDJH 7M QRQ UHSHWLWLYH RII VWDWH	9_{SS}		

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EKd î (}Œ íu]vµš U ZX,XAðì•òì9

> dZ/ > , Z d Z/ŠHdPSHUDWXUH ƒ&

Parameter	Symbol	Condition	Min.	Typ.	.	. !

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



W l]vP Yµ vš]šÇ				
K‰š]}v	Yµ vš]šÇ	Yµ vš]šÇ t /vv Œ }Æ		Yµ vš]
/W	òì hv]š•ldµ	ðì d}µÆ	•l/ñv/vŒv Œ }Æ lKµš vŒš•}Æ	A
^D	íîìì hv]š•lZ o	î Z}Æ•l/vñ ŒvvŒ }Æ lKµš vŒš•}Æ		A

D Z</E'

Z Œ š Œ]•š] • µŒÀ •

FIG.1: 0D[$OORZDEOH /(')RUZDUG &XUUHQW YV $PELHQW 7HPSHUDWXUH

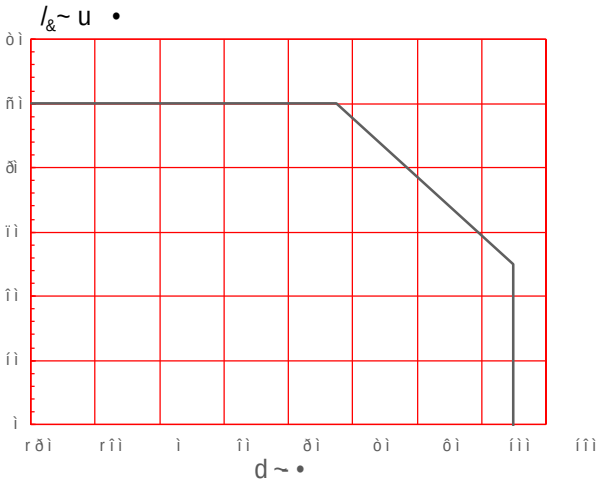


FIG.2: 0D[1RQUHSHWLWLYH 3XOVH &XUUHQW YV $PELHQW 7HPSHUDWXUH

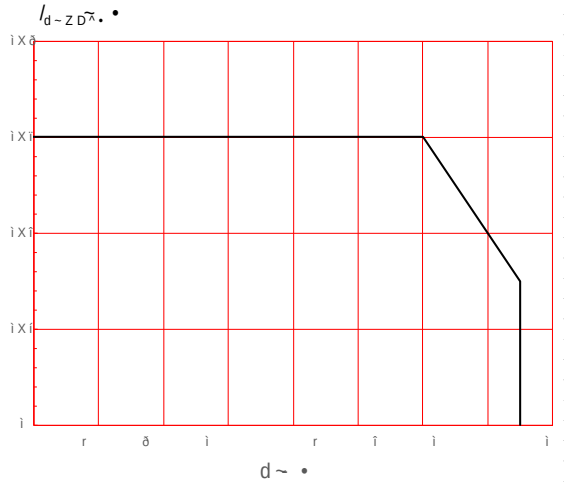


FIG.3:)RUZDUG &XUUHQW YV)RUZDUG 9ROWDJH

FIG.4: 5HODWLYH 9ROWDJH YV $PELHQW 7HPSHUDWXUH

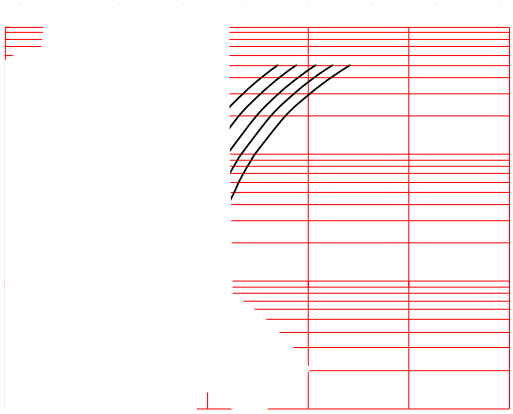
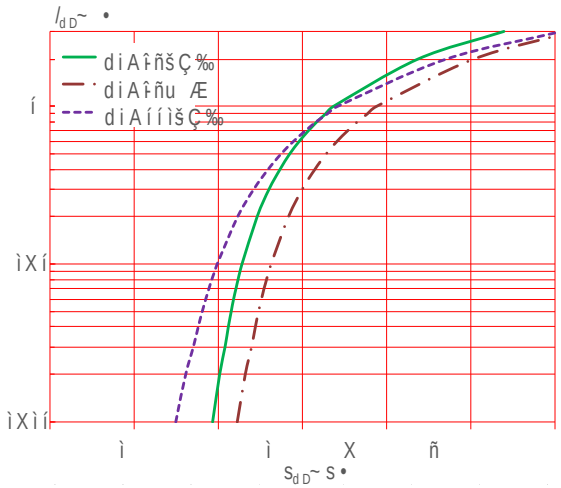
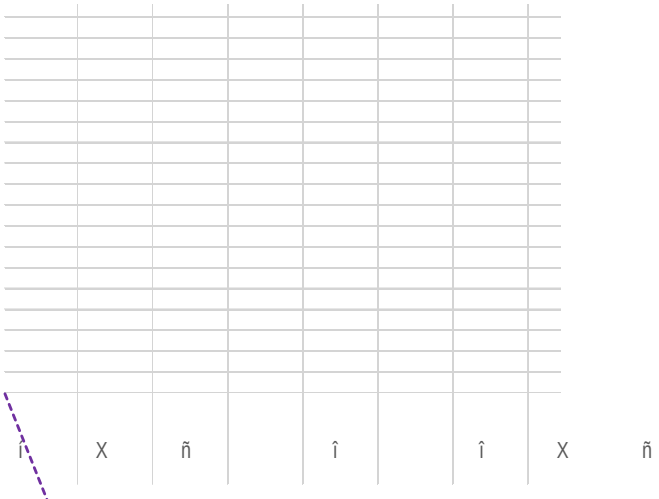


FIG.7: 2Q VWDWH FKDUDFWHULVWLFV **FIG.8:** 1RUPDOL]HG +RGLQJ &XUUH
$PELHQW 7HPSHUDWXUH

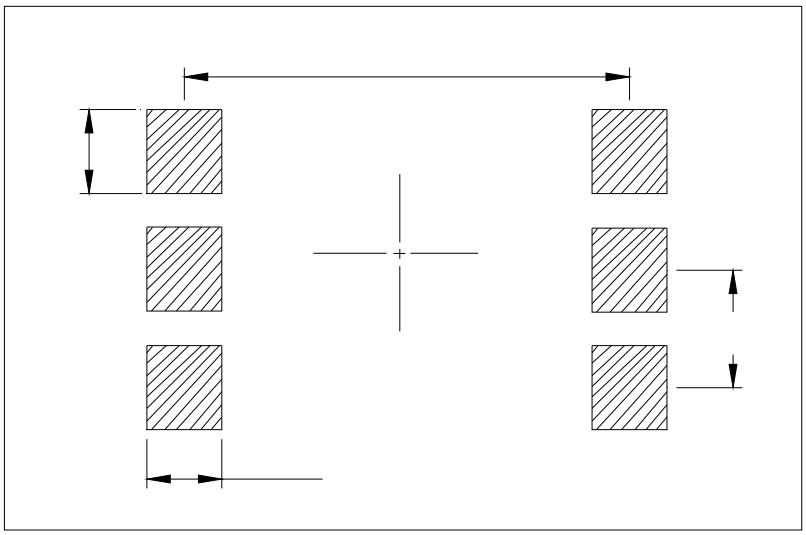




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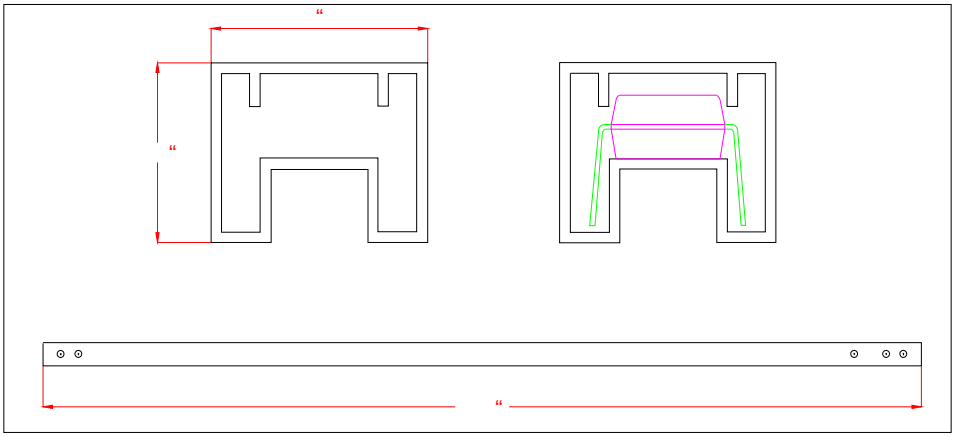
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Option SMD



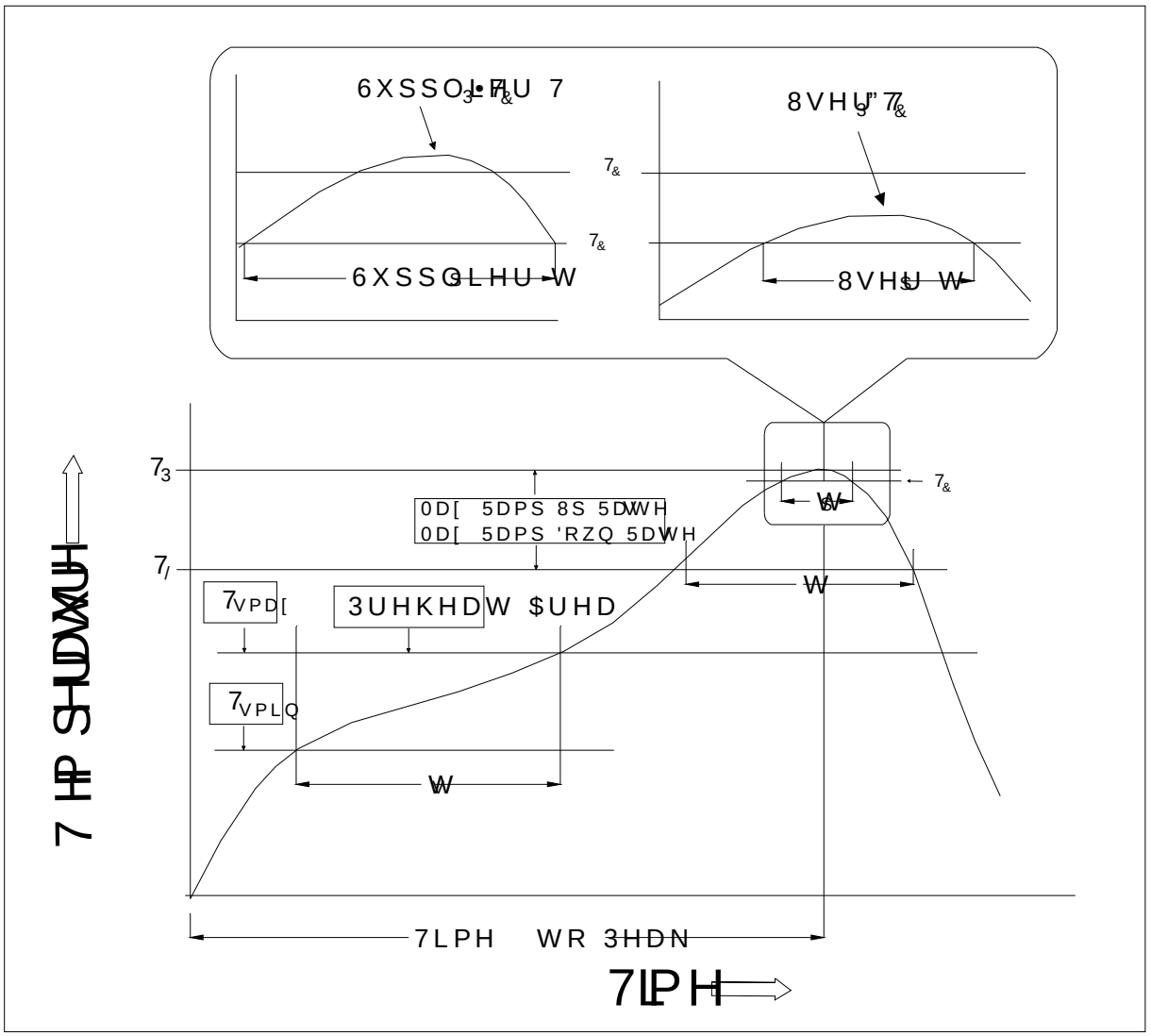
d h ^W /&/ d/KE^ ~]u v•]}v•]v uu µvo •• }šZ ŒÁ]•

Standard DIP



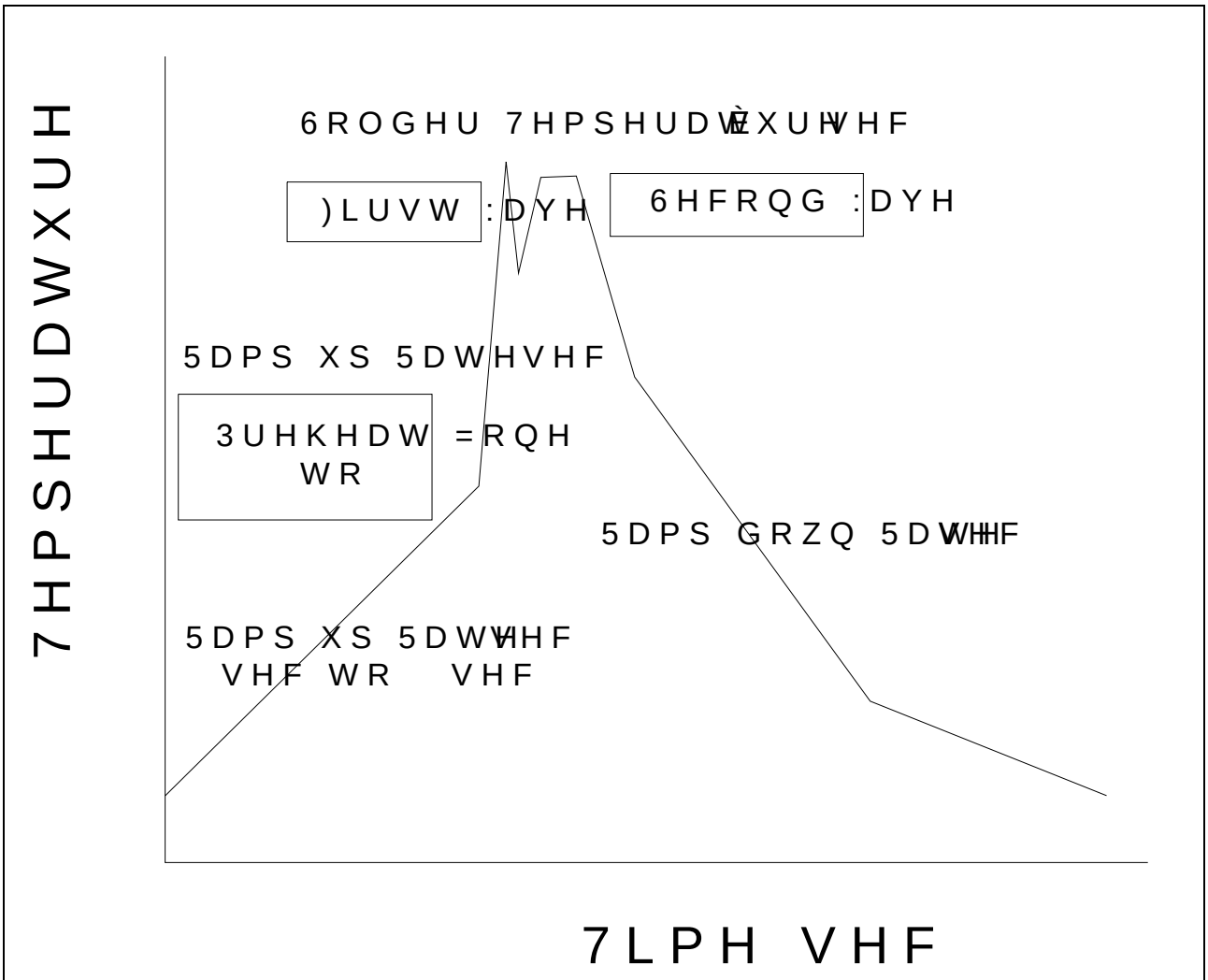
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Z &>Kt /E&KZD d/KE



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

t s ^K> Z/E'



, E ^K> Z/E' z ^K> Z/E' /ZKE	
6ROGHULQJ 7HPSHUDWXUH	f
6ROGHULQJ 7LPH	V PD[

1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHG DVWKRWZKH QWRHPSRHUDWWKDQHWRK

$YRLG GLUHFW FRQWDFWSWRE[HQEGZGQWRXRLDFRHV H[FHHGLQJ LWV PD
VWRUDJH WHPSHUDWXUH

$SSOLFDWLRQ RKHSUHSRV[XEURGRKQLWLSOHGDWHGWHPSHUDWXUHV ,Q V
VFHQDULRV DQWHDPSXOWLHQGRWRH[FHHG 1

(QVXUH WKH FRPSRQHQW KDV FRROHGWRRDPEWKQDQZLXSVHUDXHQ
PDQXIDFWXULQJ VWHSV

7KH FRPSRQHQW HKDVEQVHKHDUOZKHQVWRUGHGUGXQHGLWLRQV

5HFRPPHQG VWRUDJH 7HPS a f&

5HFRPPHQG VWRUDJH KXPLGLW\

06/ OHYHO 06/

,QIRUPDWLRQ IXUQXVKHGV LQ WKLVHGRFG WR EH DFFXUDWH D
-LDQJVX -LH-LH 0LFURRHOHFWDVRQLFVCOLPLWHRVSRQVLEOHRQVH
RI XVH ZLWKRXW FRQVLGHUDWLRQ IRGLVWFKQLQRUPDWLRQ
LQ WKLV GRFXPHQWKDLQJVXEMWHFWXWRQRWLFH DSDUW IURP V
VLJQHG -LDQJVX-LHVLZHLPWKH DJUHHPHQW
3URGXFWV DQG LQIRUPDWLRQ SURYLGHGQJLQHPHQWVRGSFXPH
-LDQJVX -LH-LH DVVXPEHVOLQRVSRQ\VLQIULQJHPHQW RI RW
ZKLFK PD\ UHVXOW IURP WKH XVH RI V7XKLV SURGXFWQW DQGS
DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXVO\ VXSSOLHG
LV D UHJLVWHUHGQJUXG-LHD-UN RLF-UR H/WHGWURQLFV &R
&RS\ULJKW -LDQJVX -LH-LH OFLF&RH/HFWURQLGLJKWV UHVH