7KH SURGXFWV DUH SLQ RSWLFDO QHOD\V 7KH GHYLFH F
$O*D$V LQIUDUHG LHPLWWLQJ GLRGH DQG SKRWRWUDQVLVWRU FRXSOHG WR
KLJK YROWDJH RXWSXW LQWHJUDWHG FLUFXLW SDFNDJH
ZLWK GLIIHUHQW OHDG 7KURXJK +ROH DQG 6XUIDFH PRXQWLQJ 7\SH
KLJK VSHHG SKRWRYROWDLF GLRGH DUUD\ DQG GULYHÂu&Ð µ

6 R O G H U L Q J 7 H P S H U D W X U H	7VRO		

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7 H P S H U D W X U H ƒ &

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
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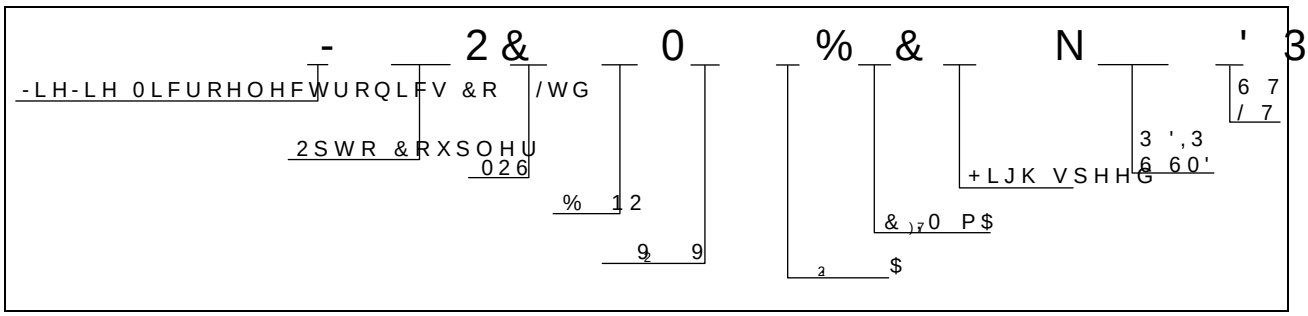
	5 H Y H U V H & X U U H Q W	5	, 9		9		$
	$ F W L R Q & X U U H Q W	2 ,2	2 ,2 0 $;	,			
	5 H V H W & X U U H Q W	2 ,2	2 ,2 0 $;	,			P $
2 X W S X W	2 Q 5 H V L V W D Q F H	5+L	,) P $,2 0 D [: L W K L Q V R Q W L P H				
	2 II 6 W D W H / H D N D J H & X U U H Q W	/HDN	,) P $ 92 0 D [				$
	2 II 6 W D W H & D S D F L W D Q F H	&RII	) ,P $				S)
6 Z L W F K L Q J & K D U D F W H U L V W L F V	, V R O D W L R Q 5 H V L V W D Q F H	5,62	'& 9 a 5 +				
	) O R D W L Q J & D S D F L W D Q F H	&,2	9 I 0 +]				S)
	7 X U Q 2 Q 7 L P H	W21	,) P $ 2 ,0 D [				V
	7 X U Q 2 II 7 L P H	W2II	,) P $ 2 ,0 D [				V



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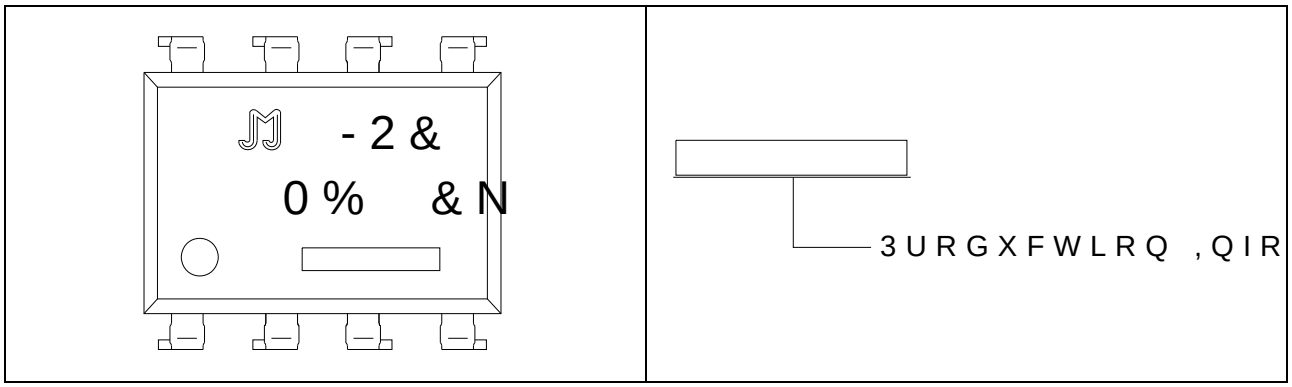


FIG.1: /(' 'URSRXW 9ROWDJH YV $PELHQW 7HPSHUDWXUH

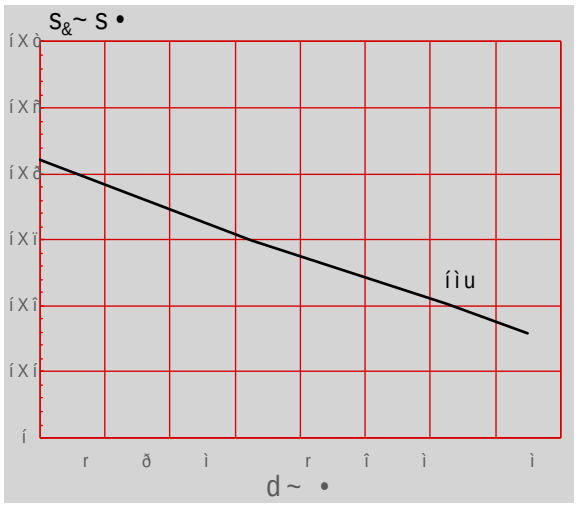


FIG.2: 2XWSXW &XUUHQW YV 2XWSXW 9ROWDJH

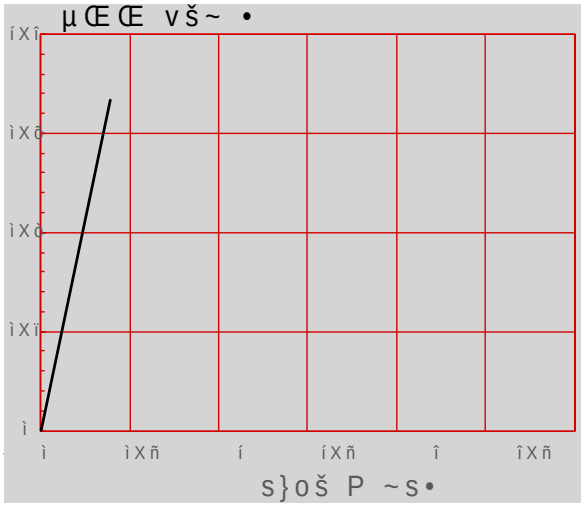


FIG.3: 2Q 5HVLVWDQFH YV $PELHQW 7HPSHUDWXUH

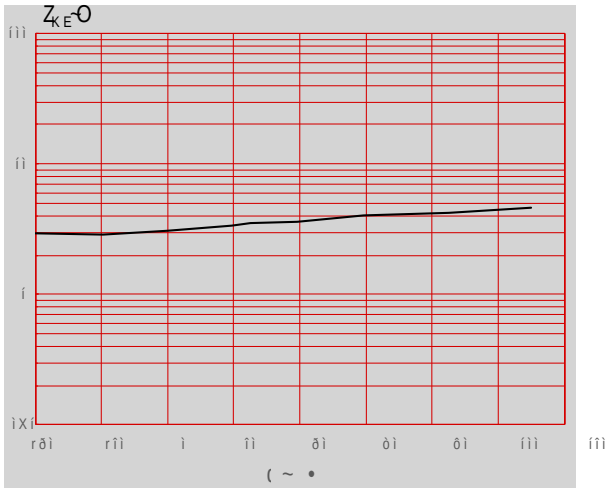


FIG.4: 5HDG &XUUHQW YV $PELHQW 7HPSHUDWXUH

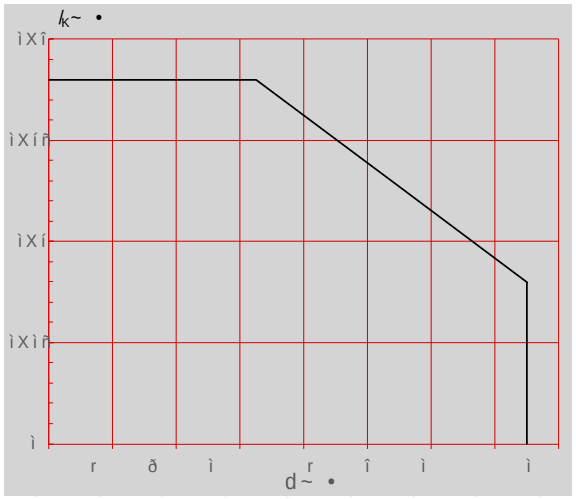


FIG.5: /(' 2SHUDWH &XUUHQW YV $PELHQW 7HPSHUDWXUH

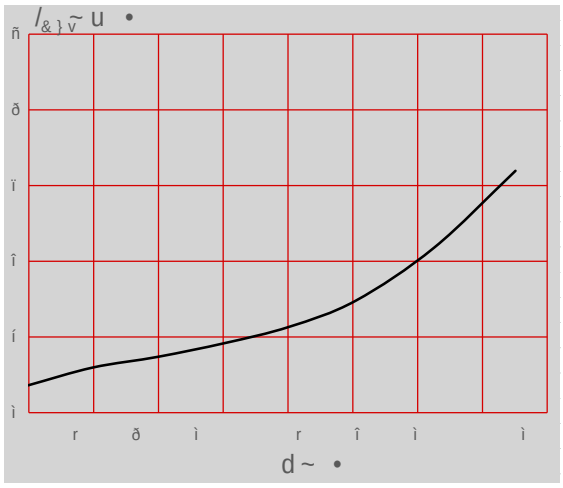


FIG.6: 6W\ 7XUQ 2II &XUUHQW YV $PE 7HPSHUDWXUH

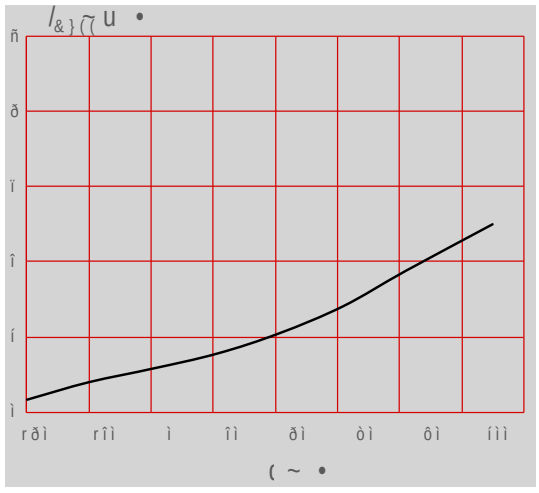
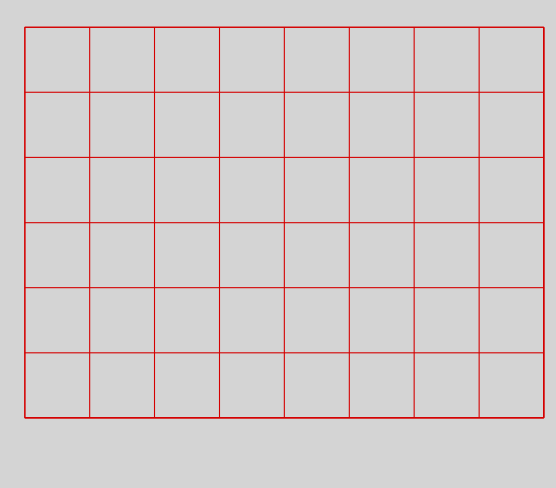


FIG.7: 7XUQ 2Q 7LPH YV $PELHQW 7HPSHUDWXUH 7LPH YV $PELHQW 7HPSHUDWXUH



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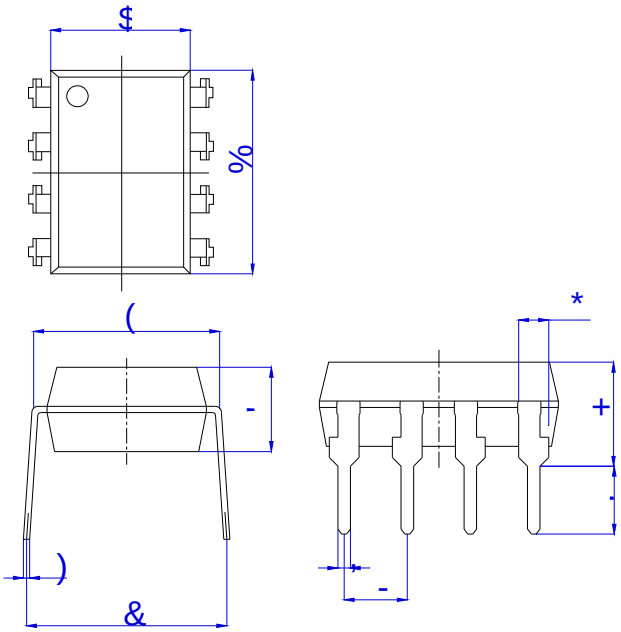

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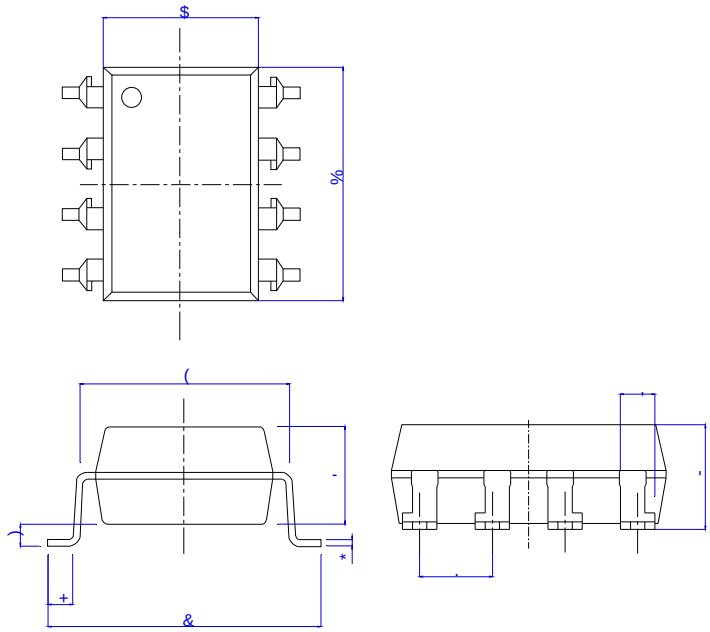

5HI	'LPHQVLRQV					
	0LOOLPHWHUV ,QFKHV					
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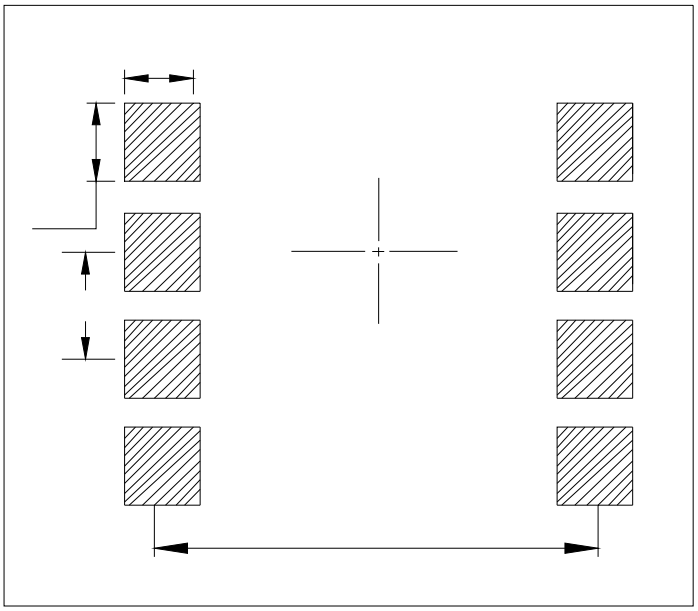
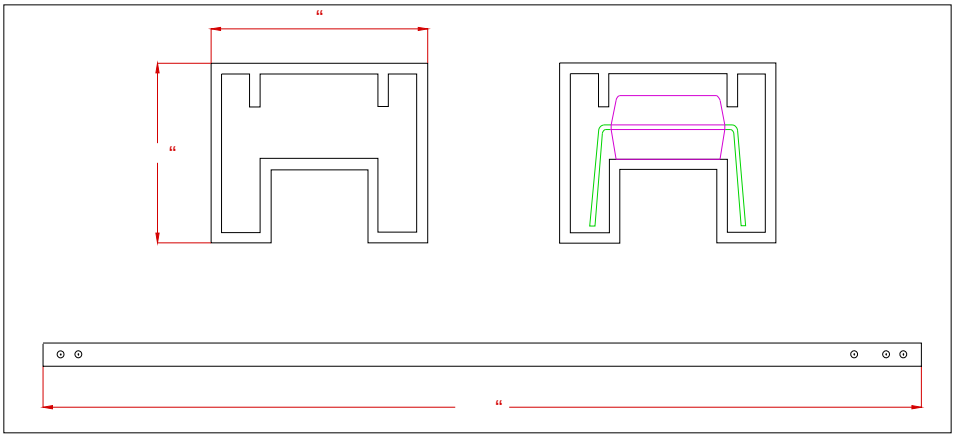


Standard DIP



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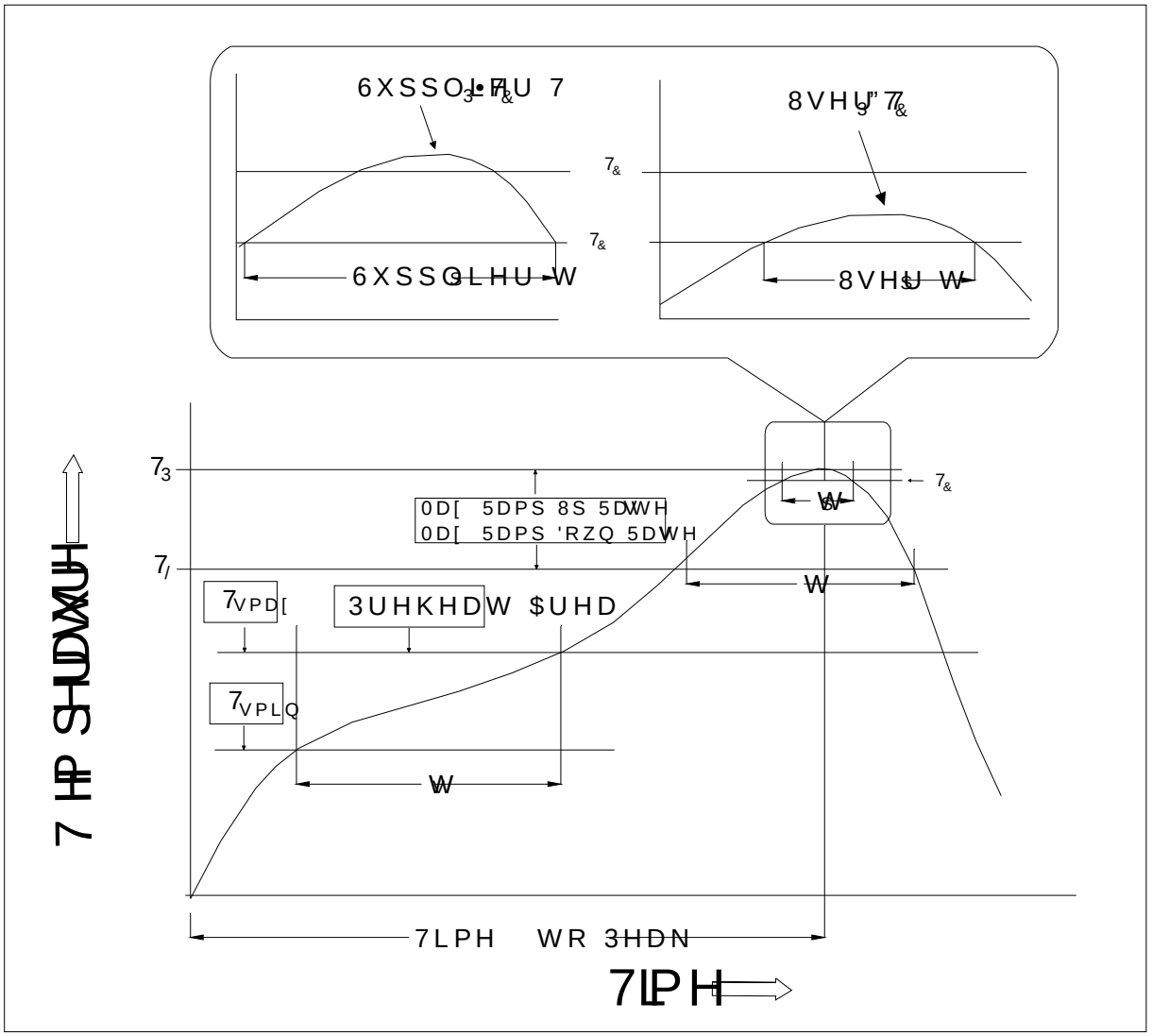
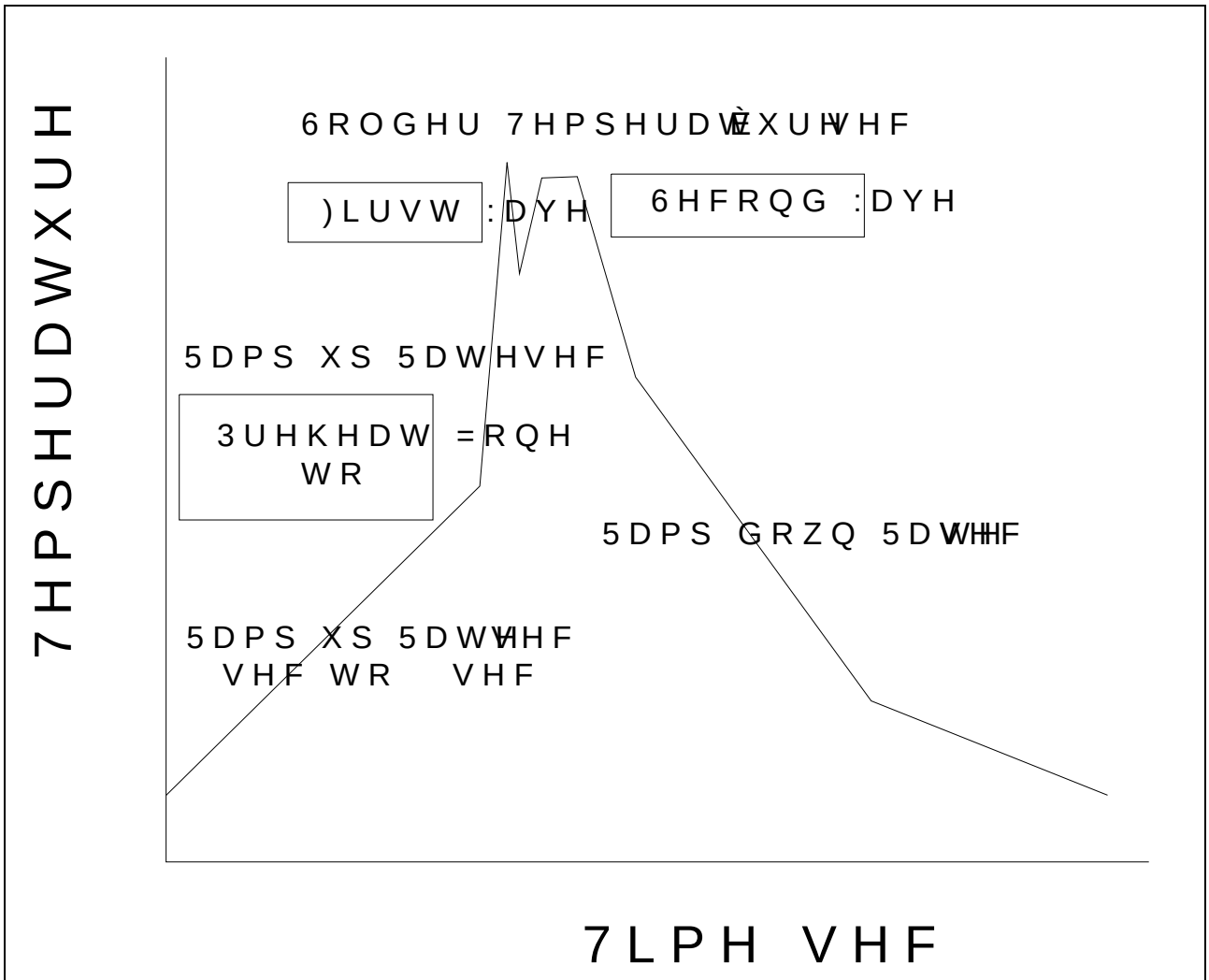
5HI	0LOOLPHWHUV			,QFKHV		
	0LQ	7\S	0D[	0LQ	7\S	0D[



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 W3HDN	VHFRQG 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[



6ROGHULQJ 7HPSHUDWXUH	f
6ROGHULQJ 7LPH	V PD[

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