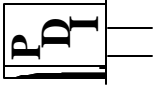
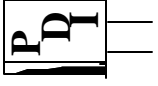


# Precision Devices, Inc.



8840 N. Greenview Dr.  
Middleton, WI 53562  
Phone: 608-831-4445  
1-800-274-XTAL  
Fax: 608-831-3343



Visit our web site at [www.pdixtal.com](http://www.pdixtal.com)

Sales Information [sales@pdixtal.com](mailto:sales@pdixtal.com)

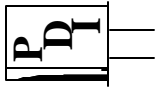
## Electrical Specifications

1. Center Frequency: 50.000000 MHz
2. Output: LVDS
3. Frequency Tolerance:  $\pm 25$ ppm
4. Operating Temperature Range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
5. Frequency Stability over Temperature:  $\pm 25$ ppm
6. Storage Temperature Range:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
7. Supply Voltage:  $+3.3\text{Vdc} \pm 5\%$
8. Supply Current: 85mA Max.
9. Jitter: 1pS RMS Max., from 12KHz to 20MHz
10. T-Rise/T-Fall: 20% to 80% differential output in 400pS
11. Duty Cycle: 45/55%
12. Load: 100 Ohms
13. Output Level: 250mV Typ., 450mV Max. LVDS

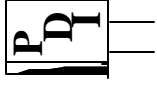
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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						J.L.	4/27/09	C.H.	4/27/09
						TITLE Crystal Oscillator Assembly		FKA	6786R
						PART NUMBER	LV0750000XMBDRX		
						DATE	SCALE	ECN.	REV.
						4/27/09	N.T.S.		A
						SIZE	CAGE	Page 1 of 4	
						A	0S4G1		

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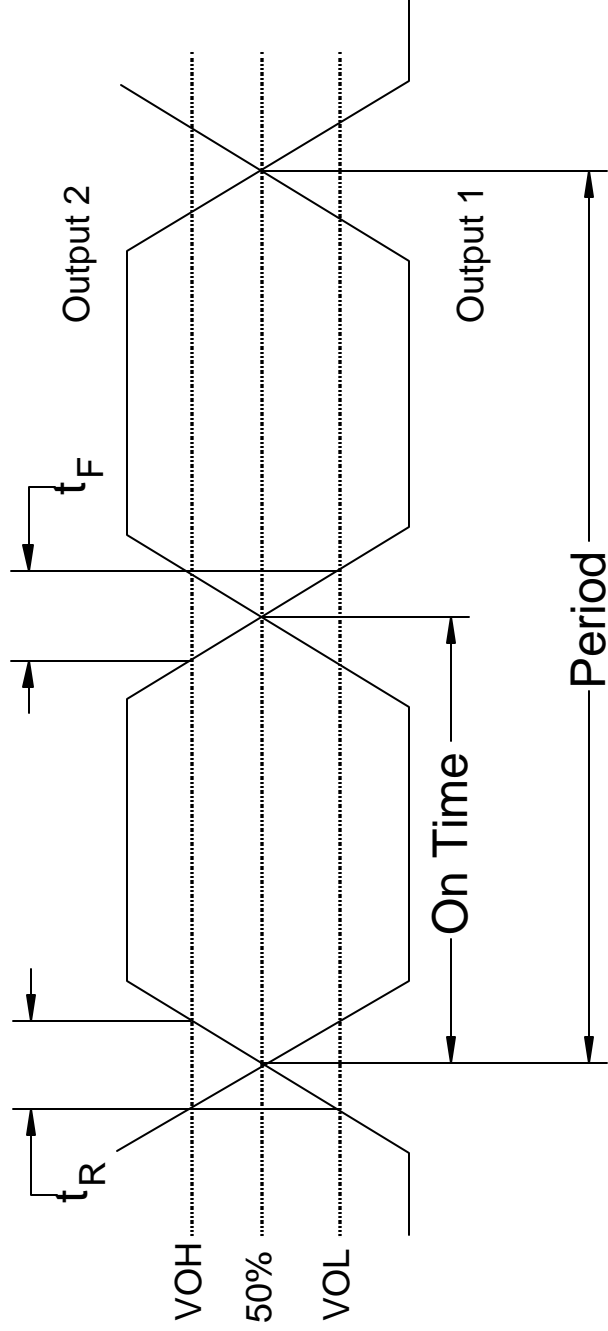
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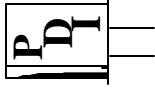
## Output Waveform:



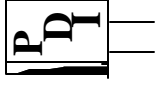
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						TITLE Crystal Oscillator Assembly		FKA	6786R	
						PART NUMBER		LV0750000XMBDRX		
						DATE	4/27/09	SCALE	ECN.	REV.
						SIZE	A	N.T.S.		A
						CAGE	0S4G1			Page 2 of 4

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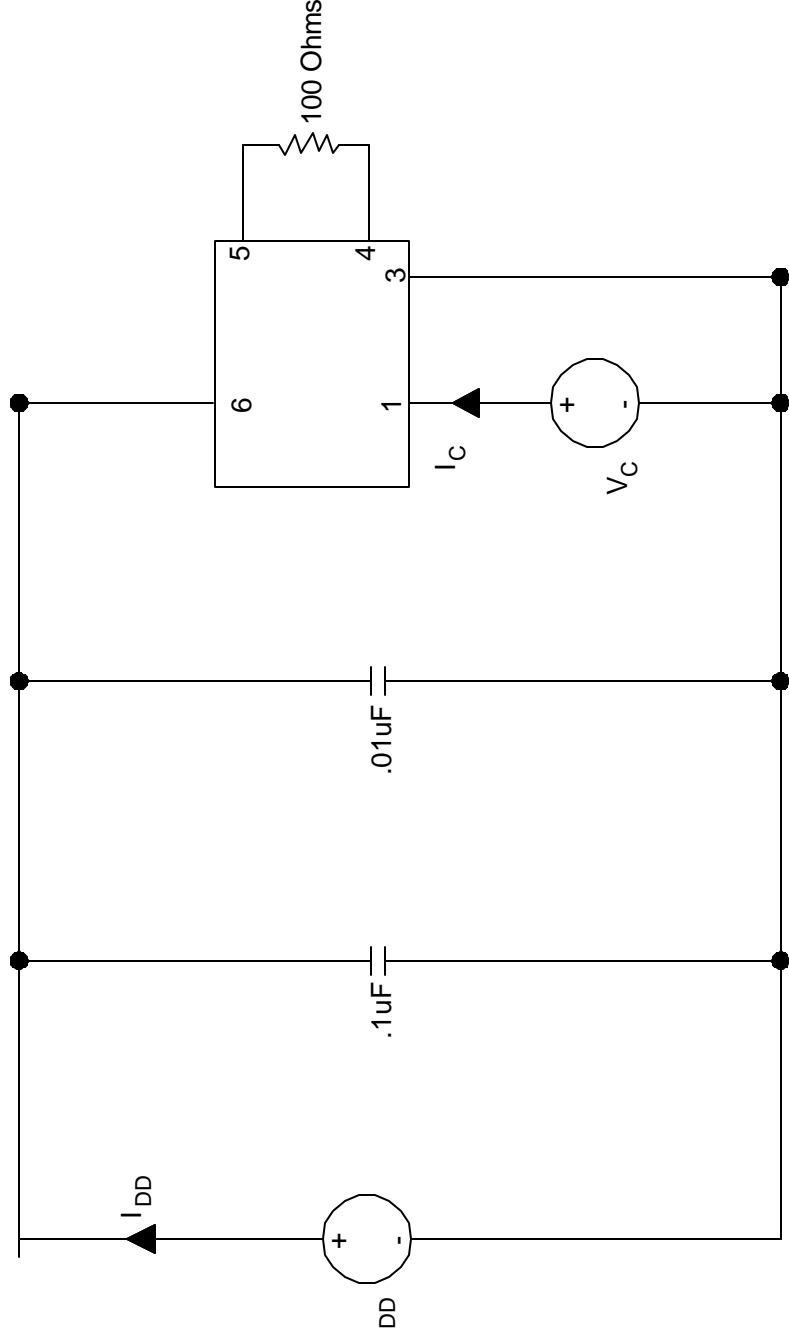
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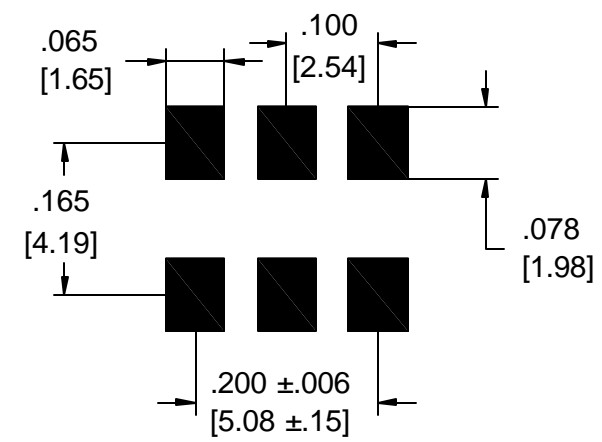
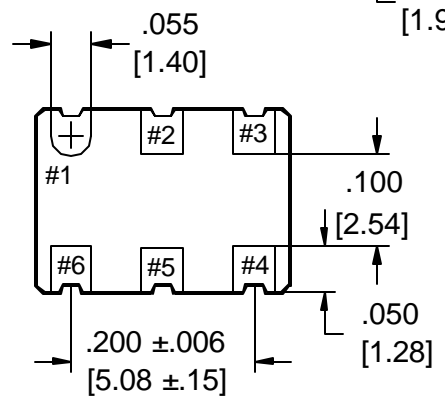
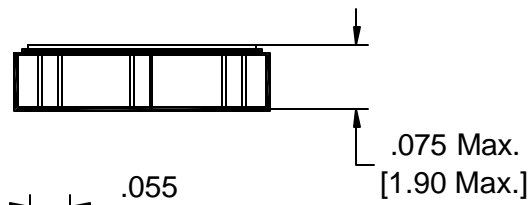
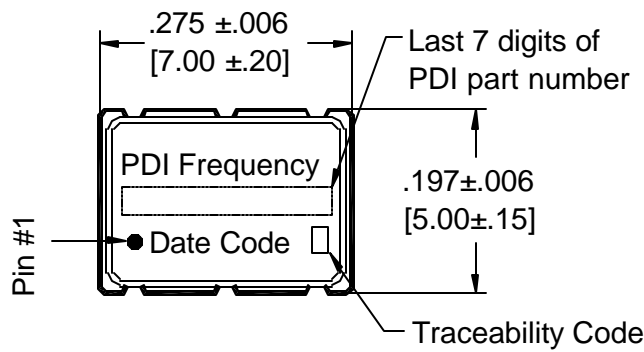
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## Typical Output Test Conditions (25±5°C):



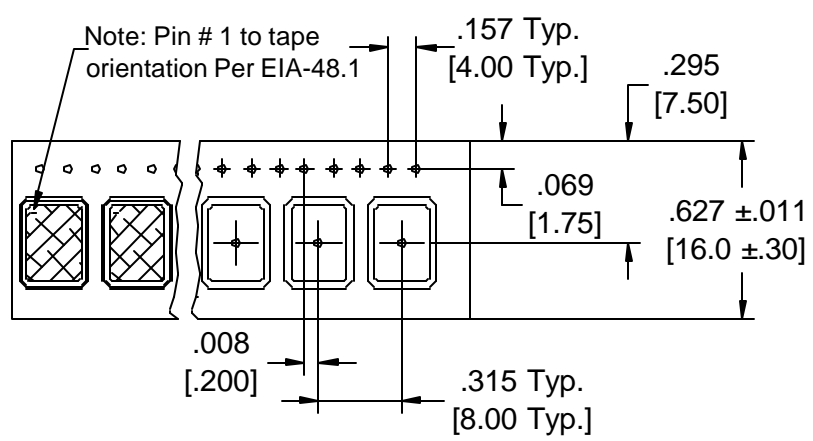
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						PART NUMBER <b>LV075000XMBDRX</b>			
						DATE	SCALE	ECN.	REV.
						4/27/09	N.T.S.		A
						SIZE	A	CAGE	0S4G1
						Page 3 of 4			



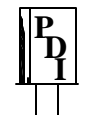
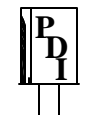
Recommended Land Pattern

PIN	CONNECTION
1	Tristate
2	No Connect
3	Ground
4	Output 1
5	Output 2
6	Vcc



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Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008	DWG FILE <b>6786R</b>	PART NUMBER <b>LV0750000XMBDRX</b>	
METRIC XX=±.50 XXX=±.20	SCALE <b>N.T.S.</b>	FREQUENCY <b>50.000000 MHz</b>	DRAWN BY <b>J.Lawinger</b>
ANGULAR XX=±2°	REV. LEVEL <b>A</b>	ECN NO.	CAGE CODE <b>0S4G1</b>
DRAWING TYPE LVDS Crystal Oscillator Assembly			DATE <b>4/27/09</b>
			Page 4 of 4