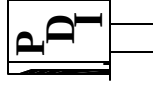


Precision Devices, Inc.



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

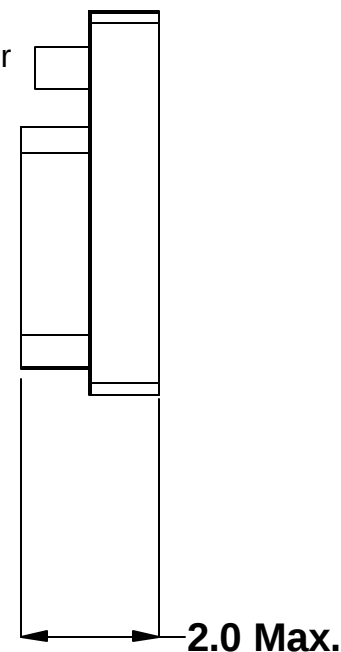
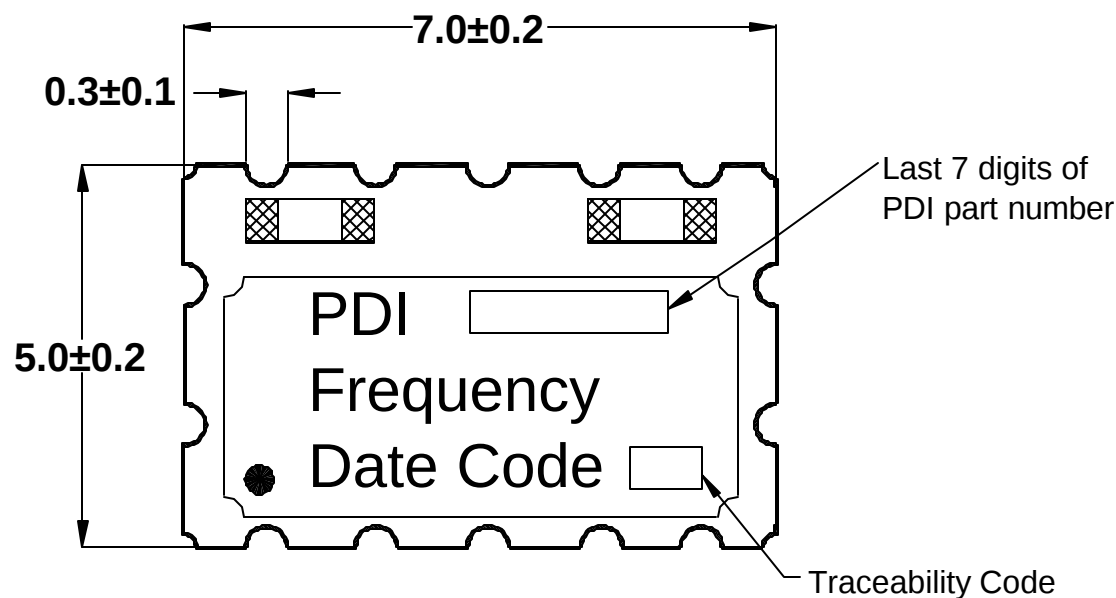


Vist our web site at www.pdixtal.com Sales Information sales@pdixtal.com

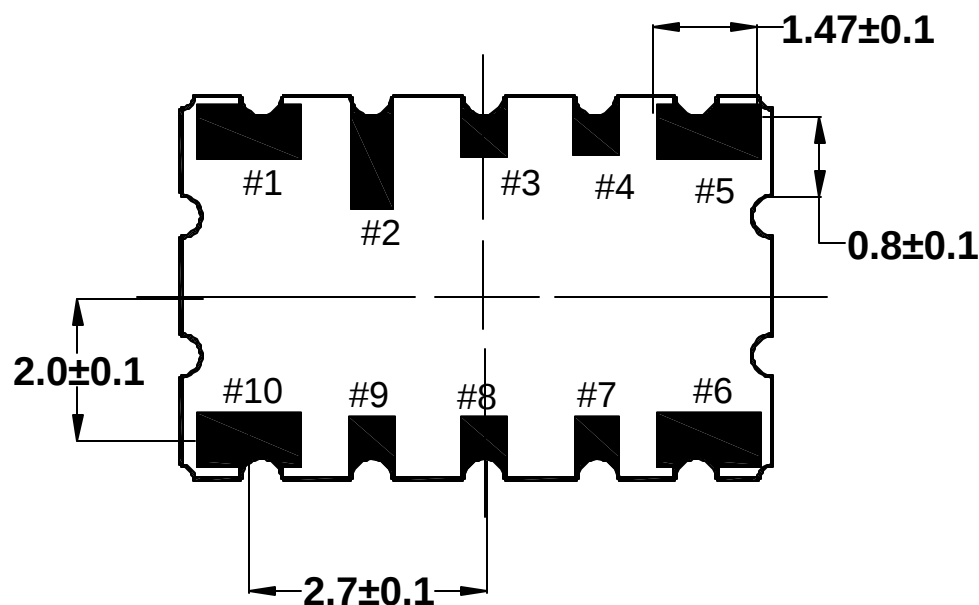
Electrical Specifications

1. Center Frequency: 20.000000 MHz
2. Output: Clipped Sine
3. Output Load: 10K Ohms//10pF
4. Output Voltage: 0.8V Min. (peak to peak)
5. Frequency Stability: vs Tolerance @25°C: ± 1.0 ppm
vs Temperature: ± 0.5 ppm
vs Supply Voltage: ± 0.2 ppm
vs Aging: ± 1 ppm/year
5. Operating Temperature: 0°C to +70°C
6. Supply Voltage: +5.0Vdc $\pm 10\%$
7. Supply Current: 2.5mA Max.
8. Pullability: ± 5 ppm Min.
9. Control Voltage: +1.5V ± 1.0 V
10. Phase Noise: @ 100Hz offset: -115dBc/Hz
@ 1kHz offset: -135dBc/Hz
@ 10kHz offset: -148dBc/Hz

REV.	DATE	PAGE	DESCRIPTION	ECN	Originator	Date	Engineering	Date
					J.L.	3/2/10	C.H.	3/2/10
					TITLE Temperature Controlled Crystal Oscillator FKA 18364			
					PART NUMBER TV0720000XWLAXX			
					DATE	SCALE	ECN.	REV.
					3/2/10	N.T.S.		A
					SIZE	CAGE	Page 1 of 2	
					A	0S4G1		



Pin	Connection
1	V Control
2	NO Connect
3	No Connect
4	No Connect
5	Ground
6	Output
7	No Connect
8	No Connect
9	No Connect
10	Supply



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Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008	DWG FILE 18364	PART NUMBER TV0720000XWLAXX
METRIC XX=±.50 XXX=±.20	SCALE N.T.S.	FREQUENCY 20.000000 MHz
ANGULAR XX=±2°	REV. LEVEL A	ECN NO.
	CAGE CODE 0S4G1	
	DRAWN BY J.Lawinger	DATE 3/2/10
		Page 2 of 2