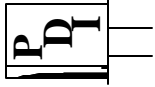
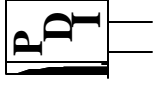


Precision Devices, Inc.



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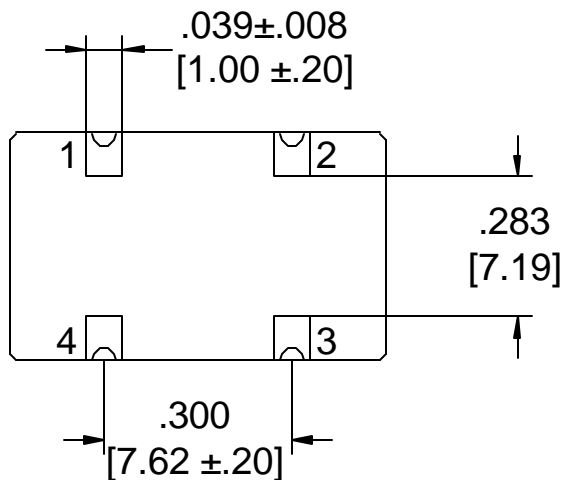
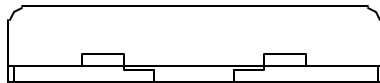
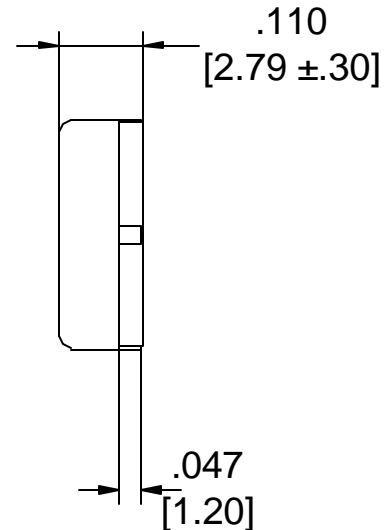
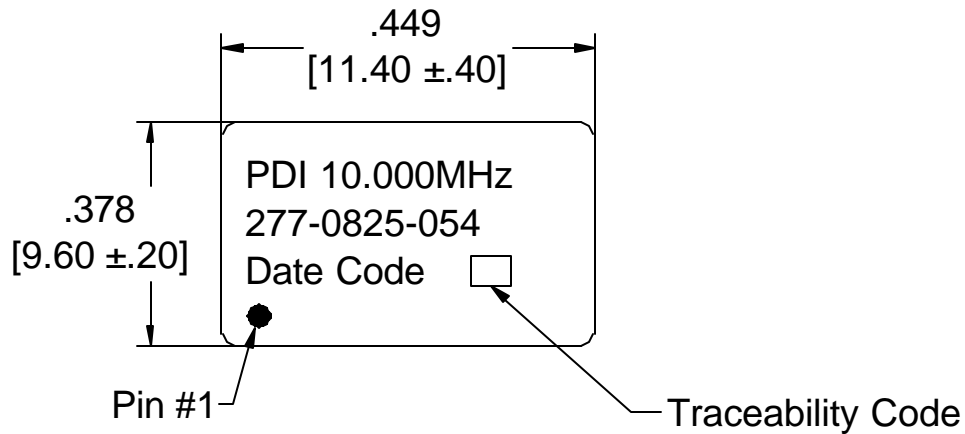
Electrical Specifications

1. Center Frequency: 10.000000 MHz
2. Output: Sinewave
3. Supply Voltage: +3.3Vdc ± 0.17 Volts
4. Supply Ripple and Noise: 50mV peak to peak sinewave at any frequency between 100Hz and 12MHz
5. Supply Current: 3mA Maximum
6. Load: 5pF $\pm 10\%$ Maximum in parallel with 10K Ohm $+10\%$ Minimum
7. Aging: ± 5 ppm/10years
8. Temperature Stability: ± 2.0 ppm Maximum
9. Voltage Stability: ± 0.2 ppm Maximum
10. Operating Temperature: -45°C to $+85^{\circ}\text{C}$
11. Storage Temperature: -65°C to $+85^{\circ}\text{C}$
12. Phase Noise Response:

-47dBc/Hz	@	1Hz offset
-82dBc/Hz	@	10Hz offset
-112dBc/Hz	@	100Hz offset
-132dBc/Hz	@	1000Hz offset
-142dBc/Hz	@	10000Hz offset
-147dBc/Hz	@	100000Hz offset

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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						J.L.	10/27/08	T.M.	10/27/08
						TITLE TCXO Assembly		FKA	18154
						PART NUMBER	TC4010000XWMDXX		
						DATE	SCALE	ECN.	REV.
						10/27/08	N.T.S.	N/A	N/A
						SIZE	CAGE	Page 1 of 2	
						A	0S4G1		



PIN CONNECTIONS

1. No Connect
2. Ground
3. Output
4. Vcc

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Manufacturer of Quartz Crystal Products

DECIMAL XX \pm .020 XXX \pm .008	DWG FILE 18154	PART NUMBER TC4010000XWMDXX	
METRIC XX \pm .50 XXX \pm .20	SCALE N.T.S.	FREQUENCY 10.000000 MHz	DRAWN BY J.Lawinger
ANGULAR XX \pm 2°	REV. LEVEL N/A	ECN NO. N/A	DATE 10/27/08
		CAGE CODE 0S4G1	Page 2 of 2