

**OUTPUT**

**Frequency**

128 MHz

**Level**

+10 dBm ±2 dB into 50 ohms Sine

**STABILITY**

**Aging**

±1 x 10<sup>-6</sup> per year after 120 days operating

±0.3 x 10<sup>-6</sup> per year, years two to seven

**Phase Noise SSB L(f), Static**

1K	10K	100	1M	HZ
-152	-170	-172	-173	dBc/Hz

**Acceleration Sensitivity**

5e -10/g, typical

**Operating Temp Stability, Case Temp**

± 1ppm, -20° to +70°C

**Harmonics**

≤ -40 dBc typical

**Spurious (non-Harmonics)**

≤ -70 dBc within 50 MHz of carrier

**Warm-Up Time**

3 minutes, typical at +25°C

**POWER REQUIREMENTS, typical**

**Turn-On Current**

3 for 2 minutes

**Total Power**

<1.1 W, typical

**Supply Voltage**

+8 VDC, ±5%

**MECHANICAL**

**Dimensions**

1.0 x 1.0 x 0.5"  
(max seated height 0.55")

**Connectors**

Solder pins on base

**Packaging**

Solder sealed steel can

**ADJUSTMENT**

**Electrical Tuning**

-5.0 to +5.0 10<sup>-6</sup>, nominal,

0 to 5v

Positive slope, +2.2 ppm/V nominal

BW, 100 Hz nominal

**CRYSTAL**

**Type**

120MHz SC-cut,

**ENVIRONMENTAL**

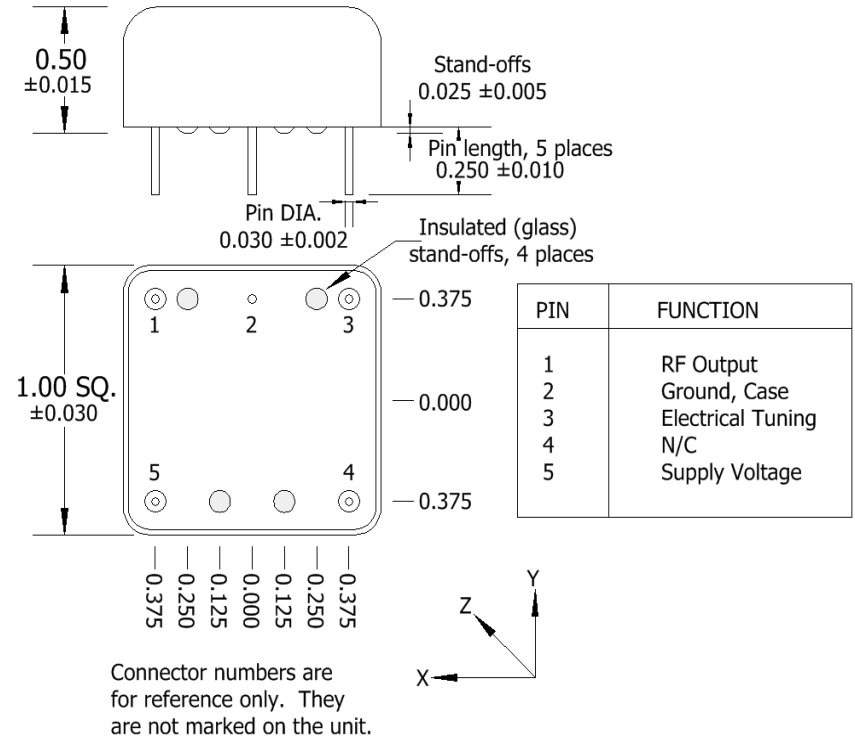
**Operating Temperature**

-50 to +95°C

**OTHER**

This part uses lead solder

REV	DATE	REVISION RECORD	DWN	AUTH
-	09-20-23	Initial Release	MA	LIZ



**Quantic Wenzel**  
Wenzel Associates, Inc.

Title: **128 MHz Onyx OCXO Low Noise Oscillator**

P/N: <b>501-35289</b>	Rev: -	Date: <b>09-20-23</b>	Drawn:	Ref: 34327
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: <b>±0.030"</b>	0.XXX Dec: <b>±0.010"</b>	FSCM: <b>62821</b>

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