

OUTPUT

Frequency

10 MHz

Level, Outputs 1, 2

+8 dBm ±3 dB into 50 ohms and

TTL Compatible

STABILITY

Aging

±5 x 10⁻¹⁰ per day after 30 days operating, typical

±3 x 10⁻⁸ per year after 180 days operating

Phase Noise L(f)

-01, -02, -03, -07 -04, -05, -06, -08

1 Hz -88 dBc/Hz -98 dBc/Hz

10 Hz -128 dBc/Hz -138 dBc/Hz

100 Hz -150 dBc/Hz -158 dBc/Hz

1 kHz -160 dBc/Hz -163 dBc/Hz

10 kHz -165 dBc/Hz -165 dBc/Hz

Temperature Stability

-07, -08 ±5 x 10⁻⁹, +20°C to +40°C (Ref +25°C)

-01, -04 ±2 x 10⁻⁸, 0°C to +50°C (Ref +25°C)

-02, -05 ±5 x 10⁻⁸, -20°C to +70°C (Ref +25°C)

-03, -06 ±1 x 10⁻⁷, -40°C to +85°C (Ref +25°C)

MECHANICAL

Dimensions

1" x 1" x 0.5"

Connectors

Solder pins on base

Packaging

PCB's and header

POWER REQUIREMENTS

Warm-Up Power

< 4W for 3 min

Total Power

< 1.5W at +25°C steady state, typical

Supply Voltage

+12 VDC, ±5%

ADJUSTMENT

Electrical Tuning

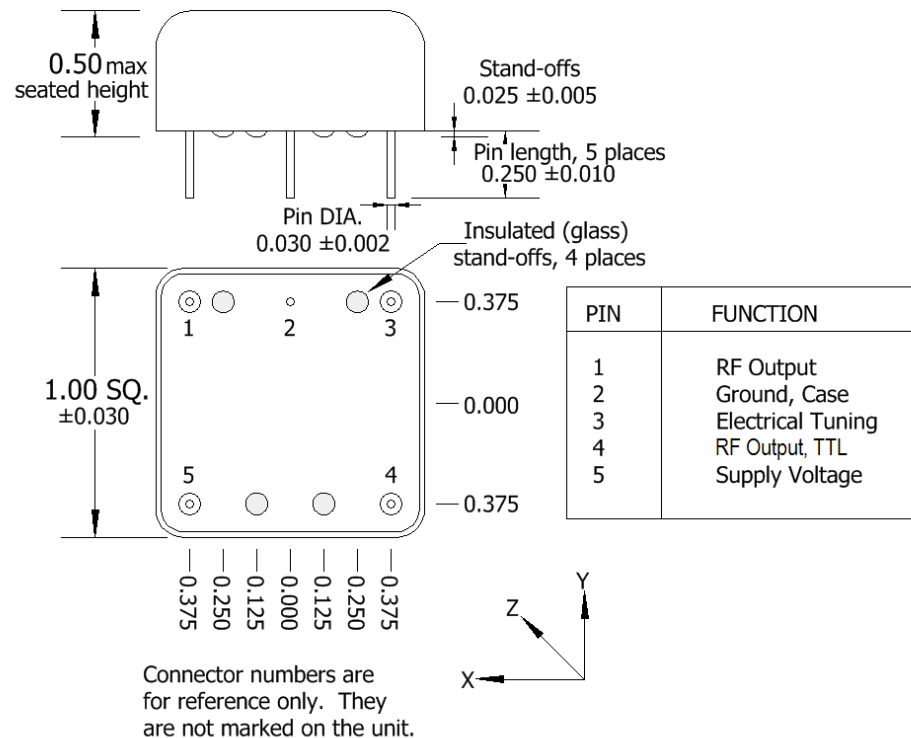
±5e-7, 0 – 10 VDC

CRYSTAL

Type

10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	5-20-14	Initial Release	Liz	



Wenzel Associates, Inc.
Austin, Texas

Title: **10 MHz-SC Onyx IV Crystal Oscillator Dual Output**

P/N: 501-28131-XX	Rev: -	Date: 05-20-14	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821

Page 1 of 1