

OUTPUT

Frequency

10 MHz

Level

TTL/CMOS Compatible

STABILITY

Aging

$\pm 5 \times 10^{-10}$ per day after 30 days
operating, typical

$\pm 5 \times 10^{-8}$ per year after 180 days
operating, typical

Phase Noise L(f)

	-01, -02, -03	-04, -05, -06
10 Hz	-125 dBc/Hz	-135 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
100 kHz	-165 dBc/Hz	-165 dBc/Hz

Temperature Stability

-01, -04 $\pm 2 \times 10^{-8}$, 0°C to +50°C (Ref +25°C)

-02, -05 $\pm 5 \times 10^{-8}$, -20°C to +70°C (Ref +25°C)

-03, -06 $\pm 1 \times 10^{-7}$, -40°C to +85°C (Ref +25°C)

MECHANICAL

Dimensions

1" x 1" x 0.5"

Connectors

Solder pins on base

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

<4W for 3 min

Total Power

< 1.5W at +25°C steady state, typical

Supply Voltage

+12 VDC, $\pm 5\%$

ADJUSTMENT

Electrical Tuning

$\pm 1 \times 10^{-6}$, 0 - 10 VDC

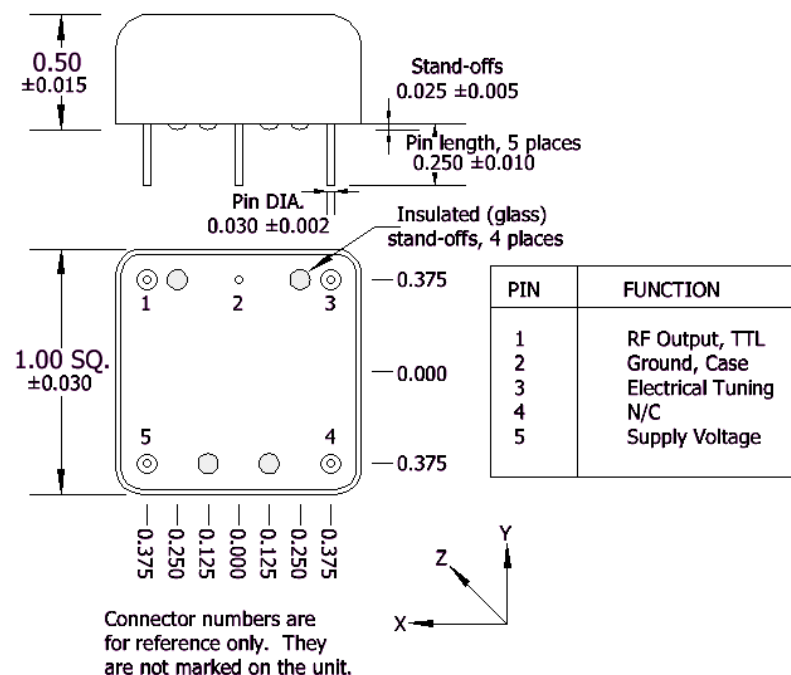
Positive slope

CRYSTAL

Type

10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	08-19-15	Initial Release	CB	



Wenzel Associates, Inc.

Austin, Texas

Title:

Standard 10 MHz-SC Onyx IV Crystal Oscillator

P/N:

501-29344-xx

Rev:

-

Date:

08-19-15

Drawn:

Ref:

501-22578

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
 ± 0.030 "

0.XXX Dec:
 ± 0.010 "

FSCM:
62821

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