

**OUTPUT**

**Frequency**

10 MHz

**Level**

+10 dBm ±3 dB into 50 ohms

**STABILITY**

**Aging**

±5 x 10<sup>-10</sup> per day after 30 days operating, typical

±5 x 10<sup>-8</sup> per year after 180 days operating, typical

**Phase Noise L(f)**

10 Hz -126 dBc/Hz

100 Hz -146 dBc/Hz

1 kHz -160 dBc/Hz

10 kHz -165 dBc/Hz

100 kHz -165 dBc/Hz

**Temperature Stability**

±2 x 10<sup>-8</sup>, 0°C to +50°C (Ref +25°C)

±5 x 10<sup>-8</sup>, -20°C to +70°C (Ref +25°C)

±1 x 10<sup>-7</sup>, -40°C to +85°C (Ref +25°C)

**MECHANICAL**

**Dimensions**

≤ 1.03" x 1.03" x 0.515"

**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, ±5%

**ADJUSTMENT**

**Electrical Tuning**

±1 x 10<sup>-6</sup>, 0 - 10 VDC

Positive slope

**CRYSTAL**

**Type**

10 MHz SC-cut, 3e-10/g typical

**OTHER**

**Label**

Label as follows:

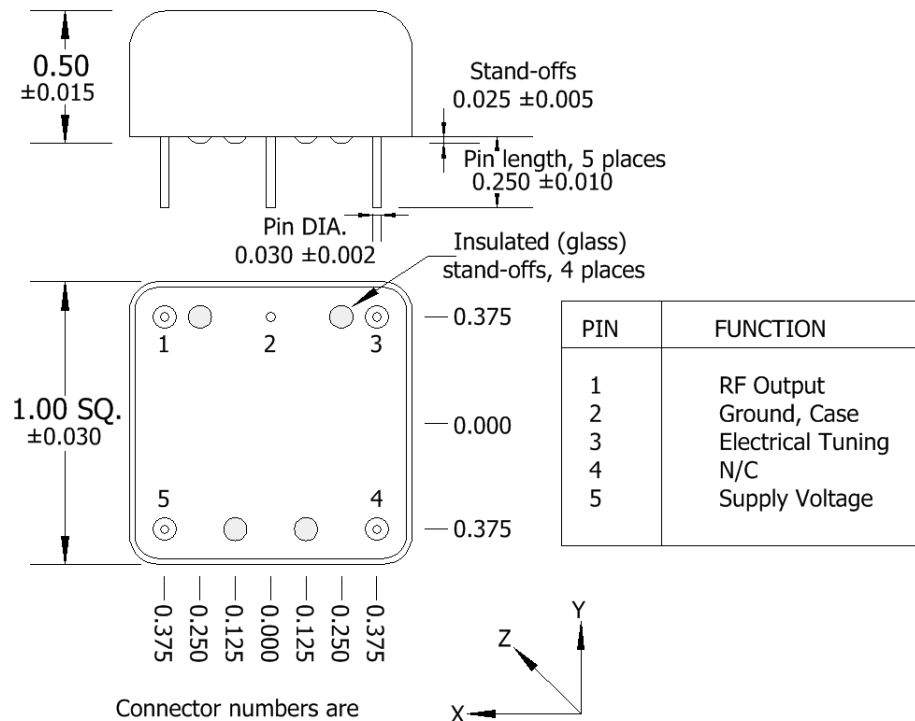
501-33920

10 MHz

VDC

SN – Date Code

REV	DATE	REVISION RECORD	DWN	AUTH
-	04-28-21	Draft	BH	LR



Connector numbers are for reference only. They are not marked on the unit.



**Wenzel Associates, Inc.**

Austin, Texas

Title: <b>10 MHz-SC Onyx IV Crystal Oscillator</b>				
P/N: <b>501-33920</b>	Rev: -	Date: <b>04-28-21</b>	Drawn:	Ref: <b>22578</b>
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>	Page 1 of 1