

| REV | DATE | REVISION RECORD | DWN | AUTH |
|-----|----------|-----------------------------------|-----|------|
| - | 06-11-99 | Draft | MS | |
| A | 07-30-99 | Can Dimension | KP | KW |
| B | 06-21-01 | Mechanical Tuning Height | KW | JR |
| C | 01-15-02 | Increase total power by 1 Watt | KM | ML |
| D | 03-26-03 | Correct Freq Adj Screw on drawing | SS | |
| E | 02-11-05 | Corrected drawing | SS | ML |
| F | 08-30-05 | Aging | VG | GP |

OUTPUT

Frequency

10 MHz

Level

+13 ±2dBm into 50 ohms

STABILITY

Aging

2.5 x 10⁻¹⁰ per day
after 30 days operating, typical

5 x 10⁻¹⁰ per day at time of shipment

Phase Noise L(f)

1 Hz -105 dBc

10 Hz -135 dBc

100 Hz -160 dBc

1 KHz -173 dBc

10 KHz -174 dBc

20 KHz -175 dBc

Temperature Stability

±5 x 10⁻¹⁰, 0° to +50°C

MECHANICAL

Dimensions

4 x 3 x 2"

Connectors

SMA and feedthru capacitor

Packaging

Machined aluminum enclosure case

Nickel plated per MIL-C-26074

POWER REQUIREMENTS

Warm-Up Power

10 Watts for 30 minutes

Total Power

5 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

±1 x 10⁻⁶

Electrical Tuning

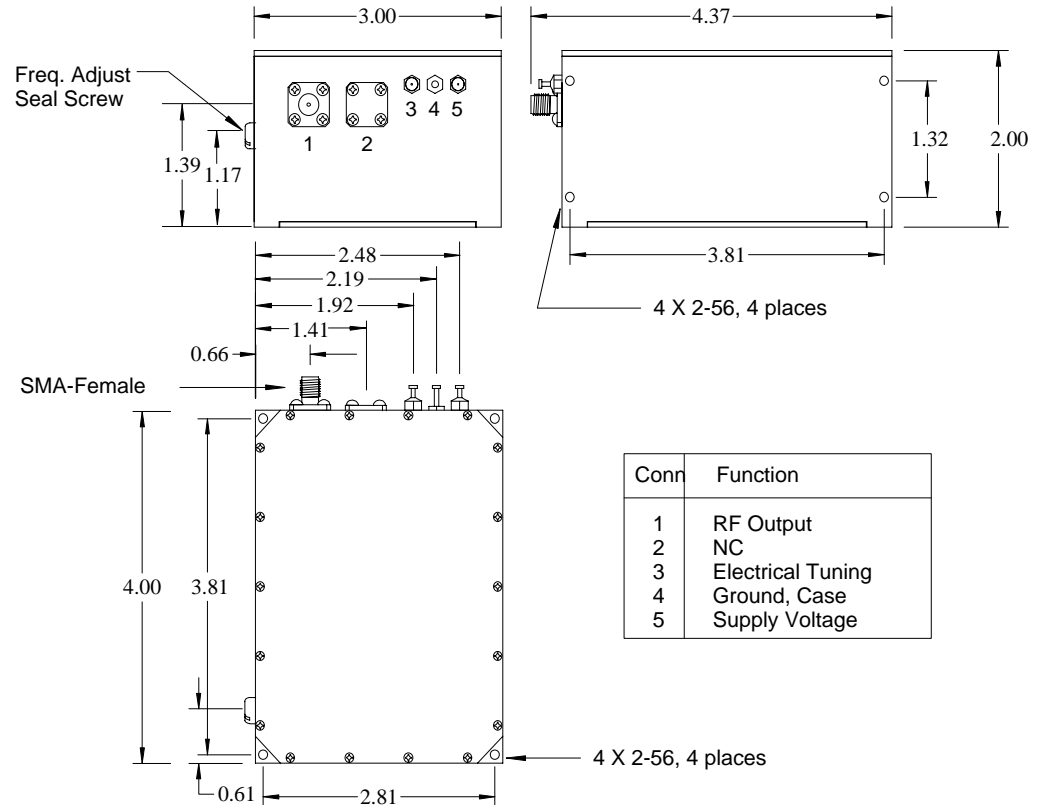
±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL

Type

10 MHz SC-cut



Connector numbers are for reference only.
They may not appear on unit.



Wenzel Associates, Inc.

Austin, Texas

Title:

10 MHz-SC Blue Top Ultra Low Noise Oscillator

P/N:

501-07128

Rev:

F

Date:

08-30-05

Drawn:

Ref:

501-07127

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

±0.010"

FSCM:

62821

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