

| REV | DATE     | REVISION RECORD | DWN | AUTH |
|-----|----------|-----------------|-----|------|
| -   | 02-27-02 | Draft           | BH  |      |
|     |          |                 |     |      |
|     |          |                 |     |      |
|     |          |                 |     |      |

**OUTPUT**

**Frequency**

10 MHz

**Level**

+13 ±2dBm into 50 ohms

**STABILITY**

**Aging**

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

**Phase Noise L(f)**

10 Hz -130 dBc/Hz  
100 Hz -155 dBc/Hz  
1 kHz -165 dBc/Hz  
10 kHz -165 dBc/Hz

**Temperature Stability**

±5 x 10<sup>-9</sup>, 0° to +50°C (Ref +25°C)

**MECHANICAL**

**Dimensions**

2 x 2 x 1"

**Connectors**

SMA and feedthru capacitor

**Packaging**

Sealed steel can

**POWER REQUIREMENTS**

**Warm-Up Power**

<5 Watts for 5 minutes

**Total Power**

<2.2 Watts at +25°C

**Supply Voltage**

+12 VDC

**ADJUSTMENT**

**Mechanical Tuning**

±1 x 10<sup>-6</sup>

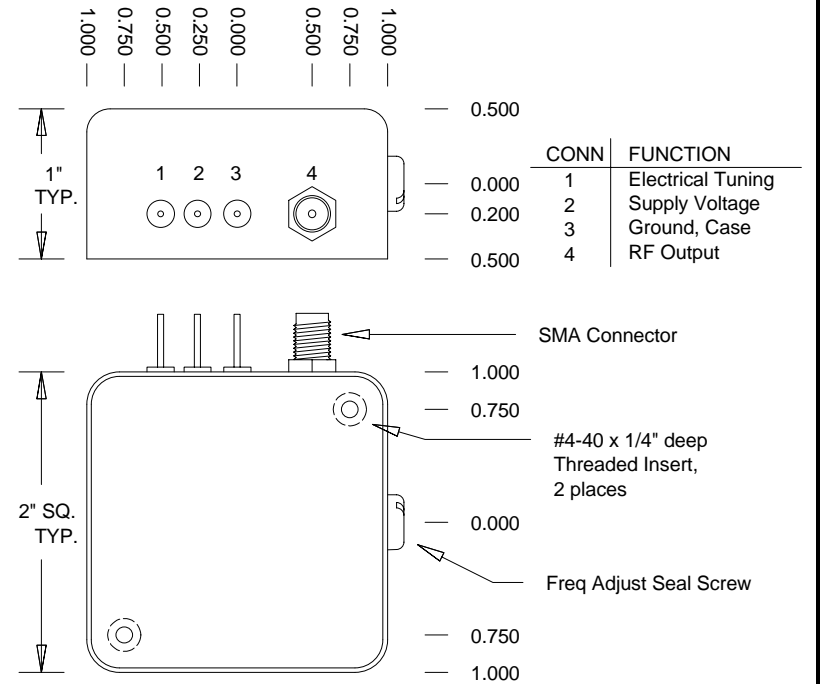
**Electrical Tuning**

±2 x 10<sup>-7</sup>, ±5 VDC  
Negative slope


**CRYSTAL**

**Type**

10 MHz SC-cut



Connector numbers are for reference only, they are not marked on unit.

|   |                             |                              |                       |                  |
|---|-----------------------------|------------------------------|-----------------------|------------------|
|  <b>Wenzel Associates, Inc.</b><br>Austin, Texas |                             |                              |                       |                  |
| Title:  |                             |                              |                       |                  |
| <b>Premium 10 MHz-SC Streamline Crystal Oscillator</b>  |                             |                              |                       |                  |
| P/N:  | Rev:                        | Date:                        | Drawn:                | Ref:             |
| <b>501-09451</b>  | -                           | <b>02-27-02</b>              |                       | <b>501-04609</b> |
| Tolerances:<br>(except as noted)<br>Dimensions are in inches  | 0.XX Dec:<br><b>±0.030"</b> | 0.XXX Dec:<br><b>±0.010"</b> | FSCM:<br><b>62821</b> | Page 1 of 1      |