

| REV | DATE     | REVISION RECORD | DWN | AUTH |
|-----|----------|-----------------|-----|------|
| -   | 02-20-95 | Draft           | BH  |      |
| A   | 05-29-02 | Phase Noise     | PC  | BH   |
|     |          |                 |     |      |
|     |          |                 |     |      |

**OUTPUT**

**Frequency**

10 MHz

**Level**

+13 ±2dBm into 50 ohms

**STABILITY**

**Aging**

1 x 10<sup>-9</sup> per day  
after 30 days operating, typical

**Phase Noise L(f)**

10 Hz -115 dBc  
100 Hz -145 dBc  
1 KHz -165 dBc  
10 KHz -165 dBc

**Temperature Stability**

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

**MECHANICAL**

**Dimensions**

2 x 2 x 1"

**Connectors**

Solder pins on base

**Packaging**

Solder sealed steel can

**POWER REQUIREMENTS**

**Warm-Up Power**

<5 Watts for 5 minutes

**Total Power**

<2.2 Watts at +25°C

**Supply Voltage**

+15 VDC

**ADJUSTMENT**

**Mechanical Tuning**

±4 x 10<sup>-6</sup>

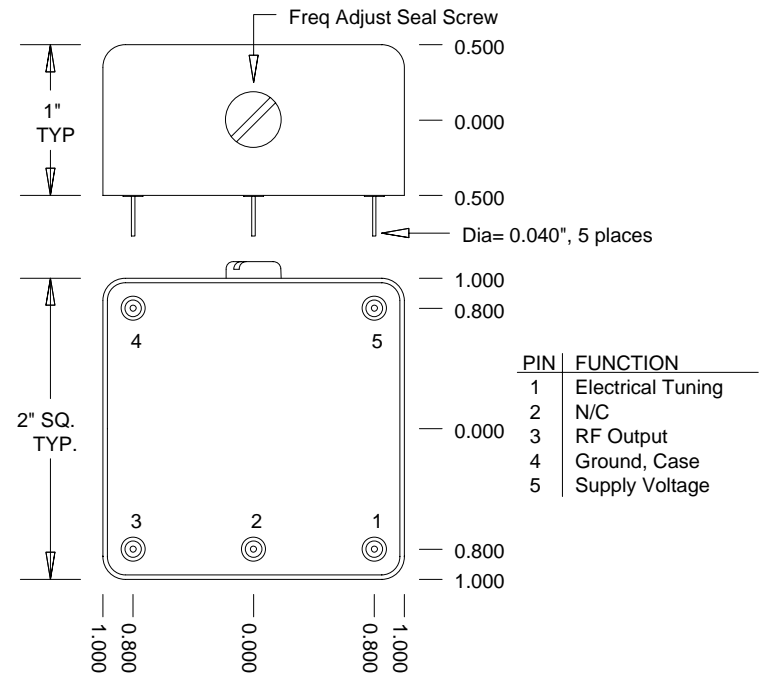
**Electrical Tuning**

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

**CRYSTAL**

**Type**

10 MHz AT-cut



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



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Premium 10 MHz-AT Streamline Crystal Oscillator**

|                          |                  |                          |        |      |
|--------------------------|------------------|--------------------------|--------|------|
| P/N:<br><b>501-04511</b> | Rev:<br><b>A</b> | Date:<br><b>05-29-02</b> | Drawn: | Ref: |
|--------------------------|------------------|--------------------------|--------|------|

|  |                             |                              |                       |             |
|--|-----------------------------|------------------------------|-----------------------|-------------|
| 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 |
|--|-----------------------------|------------------------------|-----------------------|-------------|