

## OUTPUT

### Frequency

33.554432 MHz

### Level

+13 dBm  $\pm$ 2dB into 50 ohms

## STABILITY

### Aging

$\pm 1 \times 10^{-6}$  first year

after 30 days operating, typical

$\pm 5 \times 10^{-7}$  per year thereafter, typical

### Phase Noise L(f)

10 Hz -100 dBc/Hz

100 Hz -130 dBc/Hz

1 kHz -155 dBc/Hz

10 kHz -165 dBc/Hz

### Temperature Stability

$\pm 5 \times 10^{-7}$ , 0° to +50°C (Ref +25°C)

## MECHANICAL

### Dimensions

2 x 2 x 0.75"

### Connectors

SMA and feedthru capacitor

### Packaging

Sealed steel can

## POWER REQUIREMENTS

### Warm-Up Power

<5 Watts for 5 minutes

### Total Power

2.7 Watts at +25°C

### Supply Voltage

+15 VDC

## ADJUSTMENT

### Mechanical Tuning

$\pm 3 \times 10^{-6}$

### Electrical Tuning

$\pm 5 \times 10^{-7}$ ,  $\pm 5$  VDC

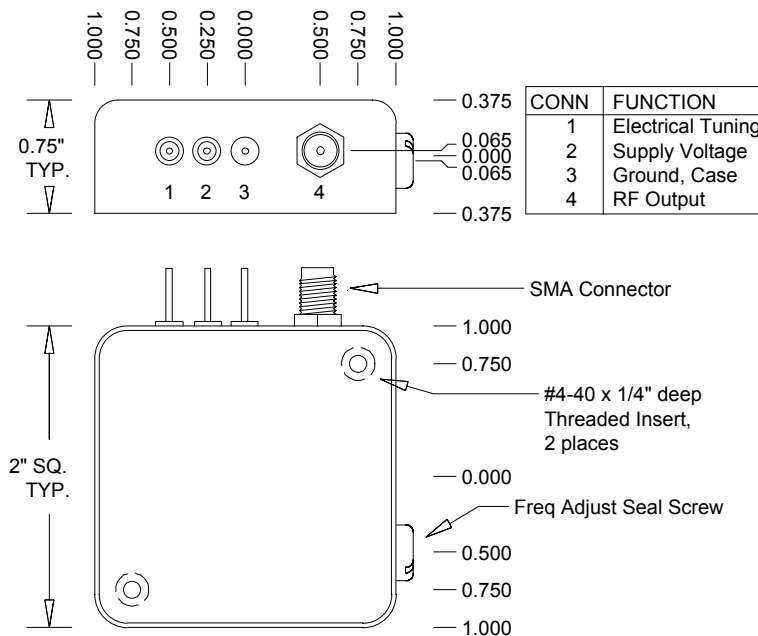
Negative Slope

## CRYSTAL

### Type

33.554432 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	04-15-05	Draft	PAC	



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



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**33.554432 MHz-SC Sprinter Crystal Oscillator**

P/N:

**500-14276**

Rev:

**-**

Date:

**04-15-05**

Drawn:

Ref:

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

**$\pm 0.030$ "**

0.XXX Dec:

**$\pm 0.010$ "**

FSCM:

**62821**

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