

| REV | DATE | REVISION RECORD | DWN | AUTH |
|-----|----------|----------------------------|-----|------|
| - | 03-11-15 | Initial Release | CB | |
| A | 08-12-16 | Adjusted 1 kHz phase noise | CB | |
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OUTPUT

Frequency

30 MHz

Level

+13 ±2dBm into 50 ohms

STABILITY

Aging

1 x 10⁻⁶ per year

after 30 days operating, typical

Phase Noise L(f)

100 Hz -135 dBc/Hz

1 kHz -160 dBc/Hz

10 kHz -174 dBc/Hz

100 kHz -174 dBc/Hz

Temperature Stability

±5 x 10⁻⁷, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions

1.75 x 2.94 x 1"

Connectors

SMA and solder pins on side

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

<5 Watts for 5 minutes

Total Power

2.5 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

±4 x 10⁻⁶

Electrical Tuning

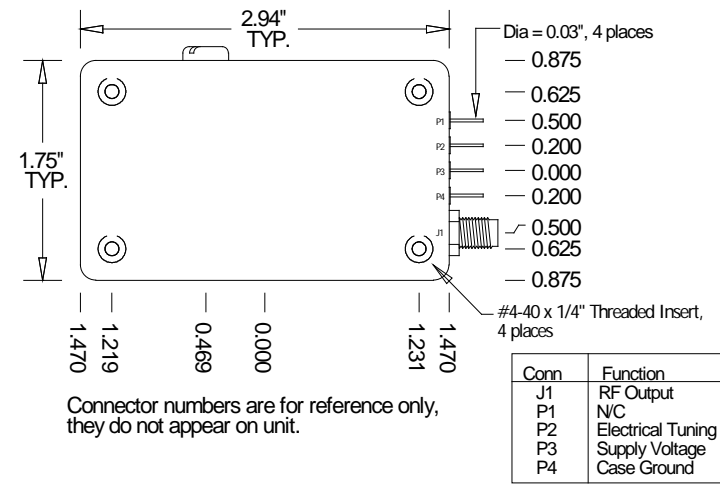
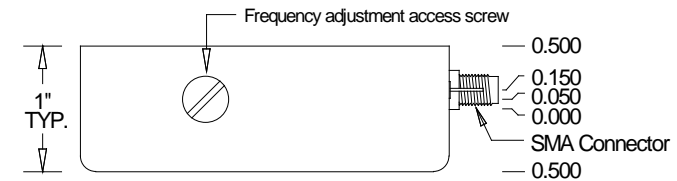
±2 x 10⁻⁷, ±5 VDC

Negative slope


CRYSTAL

Type

30 MHz SC-cut



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



Wenzel Associates, Inc.
Austin, Texas

Title: **30 MHz-SC Ultra Low Noise Crystal Osc.**

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|-----------------------|---------------|-----------------------|--------|------|
| P/N: 501-28850 | Rev: A | Date: 08-12-16 | Drawn: | Ref: |
|-----------------------|---------------|-----------------------|--------|------|

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|--|-----------------------------|------------------------------|-----------------------|---------------------------|
| Tolerances: (except as noted) Dimensions are in inches | 0.XX Dec: ±0.030" | 0.XXX Dec: ±0.010" | FSCM: 62821 | Page 1 of 1 |
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