

OUTPUT
Frequency
 10 MHz

Level
 +13 dBm ± 2 dB into 50 ohms

STABILITY
Aging (typical)

5 x 10⁻¹⁰ per day after 30 days operating
 5 x 10⁻⁸ second year
 3 x 10⁻⁸ per year, thereafter

Phase Noise L(f)
 1 Hz -107 dBc/Hz
 10 Hz -145 dBc/Hz
 100 Hz -160 dBc/Hz
 1 kHz -165 dBc/Hz
 10 kHz -167 dBc/Hz

Temperature Stability
 ±2 x 10⁻⁹, 0° to +50°C (Ref +25°C)

Harmonics
 ≤ -30 dBc

Spurious
 ≤ -80 dBc, excluding power supply line related spurs

MECHANICAL
Packaging
 Solder sealed steel can

Dimensions
 2" x 2" x 1"

Connectors / Mounting
 SMA(f) and solder pins on side;
 threaded inserts, #4-40, 2 places

POWER REQUIREMENTS
Warm-Up Power
 ≤ 5 Watts for 5 minutes at +25°C

Total Power
 ≤ 2.2 Watts at +25°C

Supply Voltage
 +15 VDC ±5%

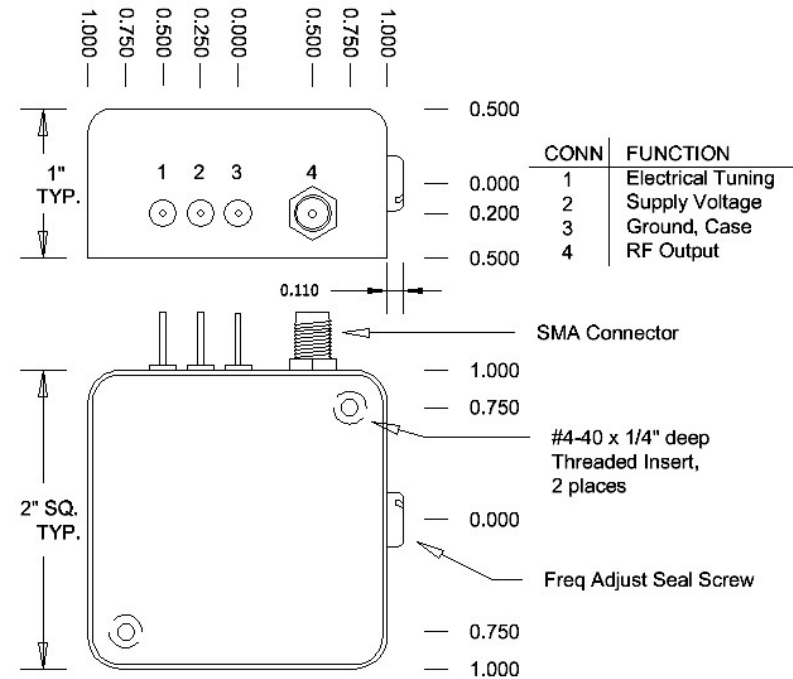
ADJUSTMENT
Mechanical Tuning

±1 x 10⁻⁶

Electrical Tuning
 ±2 x 10⁻⁷, ±5 VDC, Negative slope

CRYSTAL
Type
 10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	09-17-13	Draft	BH	
A	03-20-14	Noise at 100, 1K, 10K	Liz	
B	10-16-14	Aging, Noise, Harm, Spurious	BH	BB
C	06-22-16	Phase Noise at 10 Hz	BH	BB



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

Wenzel Associates, Inc.				
Austin, Texas				
Title: Super Premium 10 MHz-SC Streamline Crystal Osc.				
P/N: 501-27180	Rev: C	Date: 06-22-16	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1