

OUTPUT

Frequency

10 MHz

Level

+13 dBm into 50 ohms, each output

INPUT

Frequency

10 MHz

Level

+0 ±2 dBm into 50 ohms, nominal

STABILITY – With internal Ref. Only

Aging

1 x 10⁻⁹ per day,
after 24 hours on time,
5 x 10⁻⁸ per year

Phase Noise L(f)

10 Hz -130 dBc/Hz
100 Hz -158 dBc/Hz
1 kHz -165 dBc/Hz

Temperature Stability

±2 x 10⁻⁸, 0 to +50°C (Ref +25°C)

MECHANICAL

Dimensions

2.25 x 2.25 x 1"

Connectors

Input Connector: SMA female
Output Connectors: SMA and
feedthru capacitor

Packaging

Steel can with gasketed access
screw and threaded inserts on base

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

±1.5 x 10⁻⁶

CRYSTAL

Type

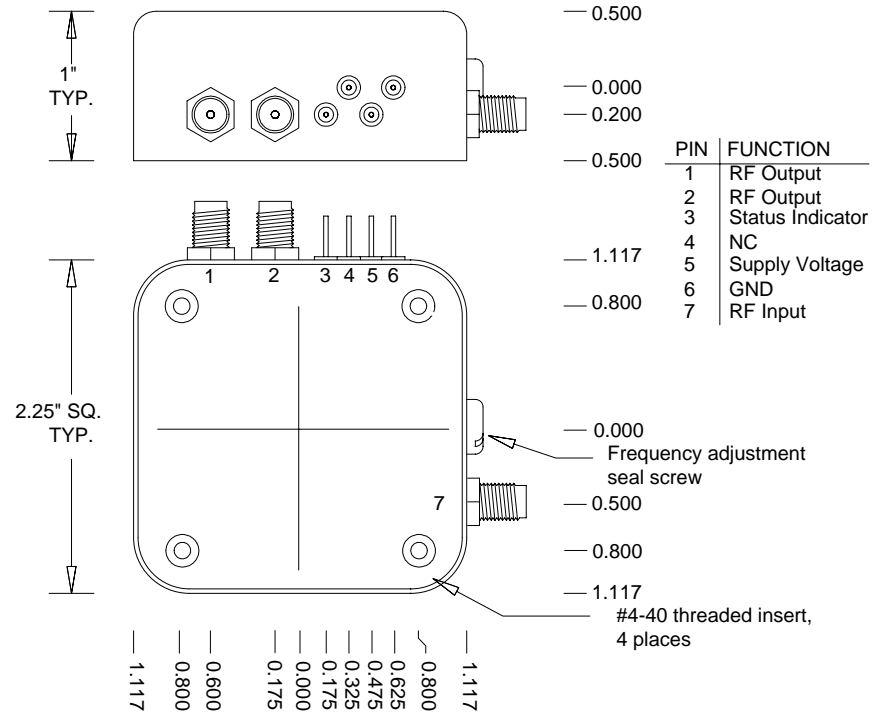
10 MHz SC-cut

OTHER

Status Pin

Internal Oscillator "ON":
TTL Low (0V)
Internal Oscillator "OFF":
TTL High (5V)

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-17-05	Draft	BH	LR



WA Wenzel Associates, Inc.
Austin, Texas

Title: **10 MHz-SC Streamline Crystal Oscillator**

P/N: 501-14042	Rev: -	Date: 02-17-05	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821

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