

REV	DATE	REVISION RECORD	DWN	AUTH
-			PAC	

OUTPUT

Frequency

10 MHz, dual output

Level

+10 ±2dBm into 50 ohms

STABILITY

Aging

1 x 10⁻⁹ per day
after 30 days operating, typical

Phase Noise L(f)

10 Hz -125 dBc/Hz
100 Hz -150 dBc/Hz
1 kHz -165 dBc/Hz
10 kHz -165 dBc/Hz

Temperature Stability

±1.5 x 10⁻⁸, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions

2.25 x 2.25 x 1"

Connectors

SMA's and feedthru capacitor

Packaging

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

±1 x 10⁻⁶

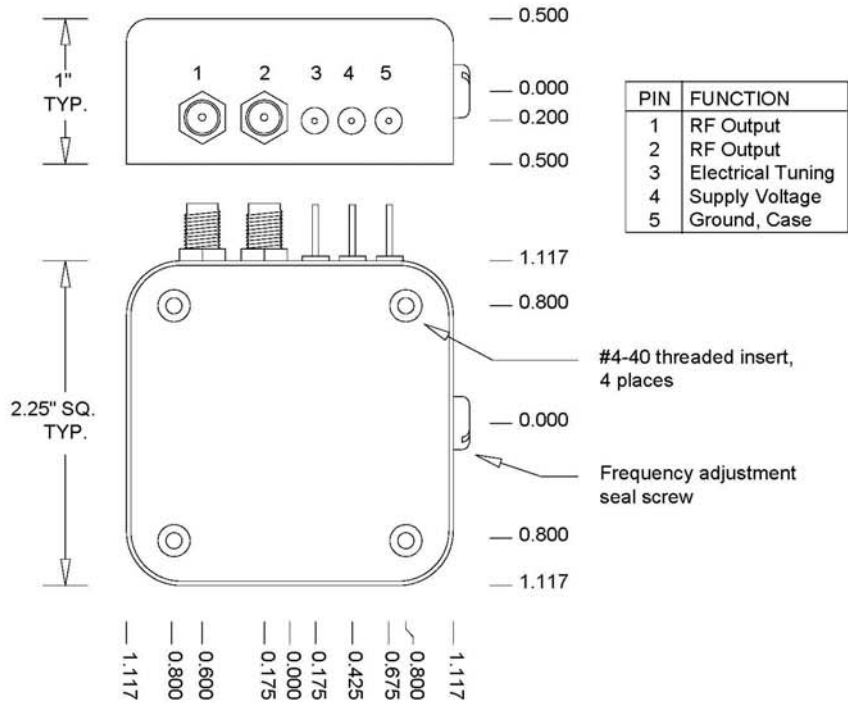
Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL

Type

10 MHz SC-cut



MICROWAVE DYNAMICS				
Title: 10.00 MHZ OCXO-100				
P/N: OCXO-100-10.00	Rev: -	Date: 05-02-08	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