



ADVANCED NOISE TECHNOLOGY

H235 Series Low Noise OCVCXO

Frequency Range: 40 MHz to 125 MHz

Size 2" Length X 2" Width X .75" Height

Output Performance

Output Power: +13.0 dBm min.
 Load Impedance: 50 Ohms
 Harmonics: < -30 dBc
 Spurious: < -90 dBc
 Aging: ±1.0 PPM / 1st year
 < ±10.0 PPM / 10 years

Operating Supply

Input Voltage: +12 to 15 VDC
 Turn On Power: 5 W
 Steady State (25° C): 1.25 W
 Warm Up Time: < 5 minutes

Electrical Frequency Control

EFC Voltage: ± 6 VDC, Negative Slope
 (Positive Slope Option, 0-10 VDC)
 EFC Range: > ±6.0 PPM
 Slew Rate: 3 KHz typ.
 Input Impedance: 5 K Ohms typical

Mechanical Frequency Adjust

Compensation for 10 years aging

Frequency vs. Temperature

Temperature	Stability
0° C to 50° C	±5 x 10 ⁻⁸
-20° C to 70° C	±.1 PPM
-40° C to 75° C	±.3 PPM

Phase Noise Performance (typical 100 MHz)

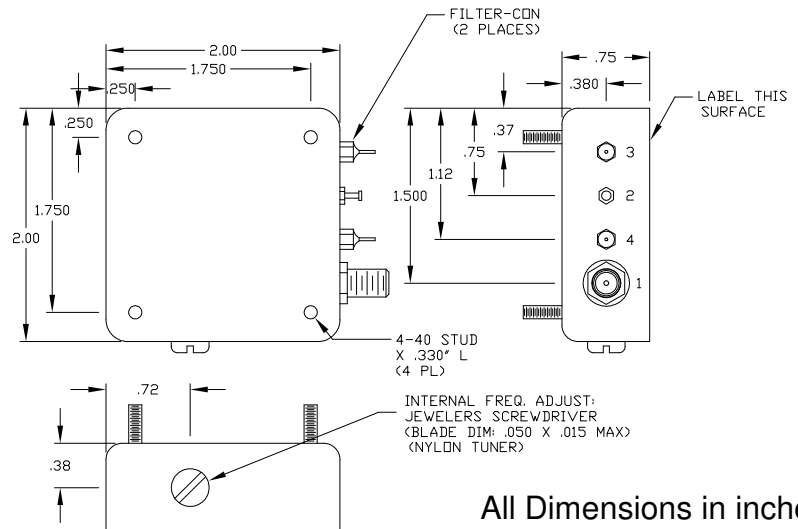
	Standard	Improved	Premium
100 Hz:	-120 dBc/Hz	-125 dBc/Hz	-130 dBc/Hz
1.0 KHz:	-150 dBc/Hz	-155 dBc/Hz	-160 dBc/Hz
10 KHz:	-165 dBc/Hz	-168 dBc/Hz	-168 dBc/Hz
100 KHz:	-168 dBc/Hz	-170 dBc/Hz	-172 dBc/Hz

Options

Dual Output Capable
 Package Configuration

Pin Connections

1. RF Output
2. Ground
3. Supply Voltage
4. EFC



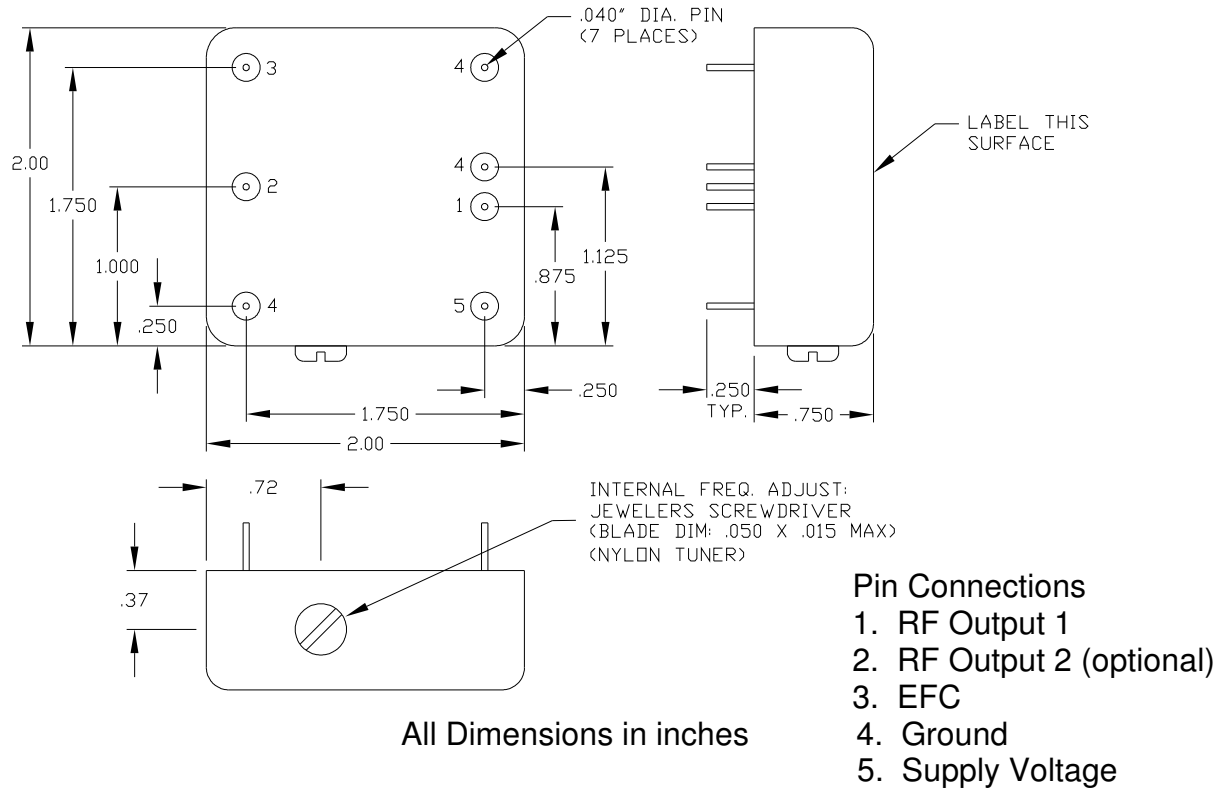
All Dimensions in inches

See Back for Package Options

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H235 SERIES OPTIONAL MOUNTING



All Dimensions in inches

235H Through Hole Mounting

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