

XOV2000 SERIES

Miniature Low Noise VCXO

Frequency Range: 40 MHz to 125 MHz

Size 1.5" Length x 1.5" Width x .5" Height

Aging Performance

±1.0 PPM / 1st year; < ±10.0 PPM / 10 years



Output Performance

Output Power: +13.0 dBm
 Harmonics: < -20 dBc
 Non Coherent Spurious: < -90 dBc
 Load Impedance: 50 Ohms

Frequency vs. Temperature Performance

Temperature	Stability
0° C to +50° C	±10 PPM
-20° C to +70° C	±15 PPM
-40° C to +75° C	±25 PPM

Electrical Frequency Control

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

Phase Noise Performance (typical 100 MHz)

100 Hz: -120 dBc/Hz
 1.0 KHz: -150 dBc/Hz
 10 KHz: -165 dBc/Hz
 100 KHz: -168 dBc/Hz

Operating Supply

Input Voltage: +12 to +15VDC
 Input Current: 40 ma typical

**FOR SPECIAL REQUIREMENTS
 CONSULT THE FACTORY**

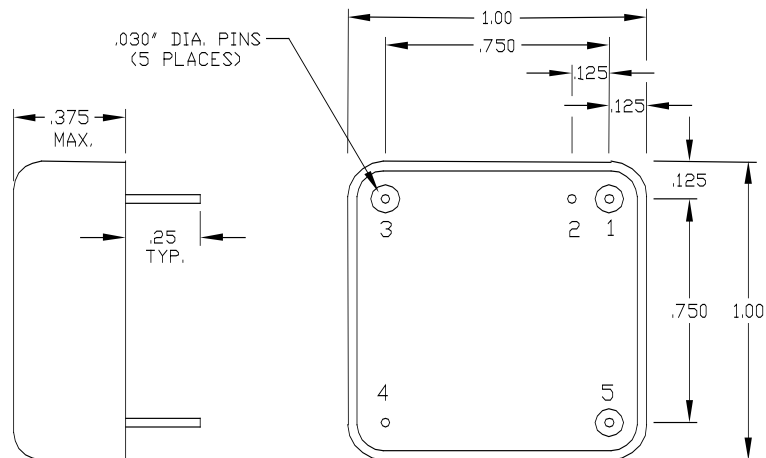
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STANDARD UNIT OUTLINE DRAWING

Pins

1. RF Out
2. Ground
3. EFC
4. Ground
5. Supply



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