

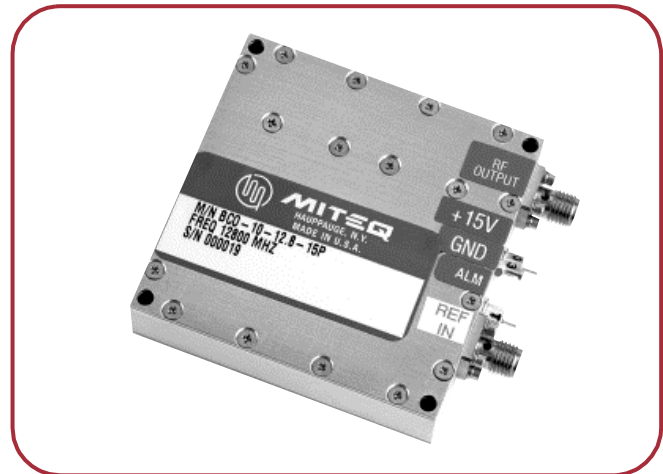
HIGH-VALUE PHASE-LOCKED COAXIAL RESONATOR OSCILLATOR

BCO SERIES:

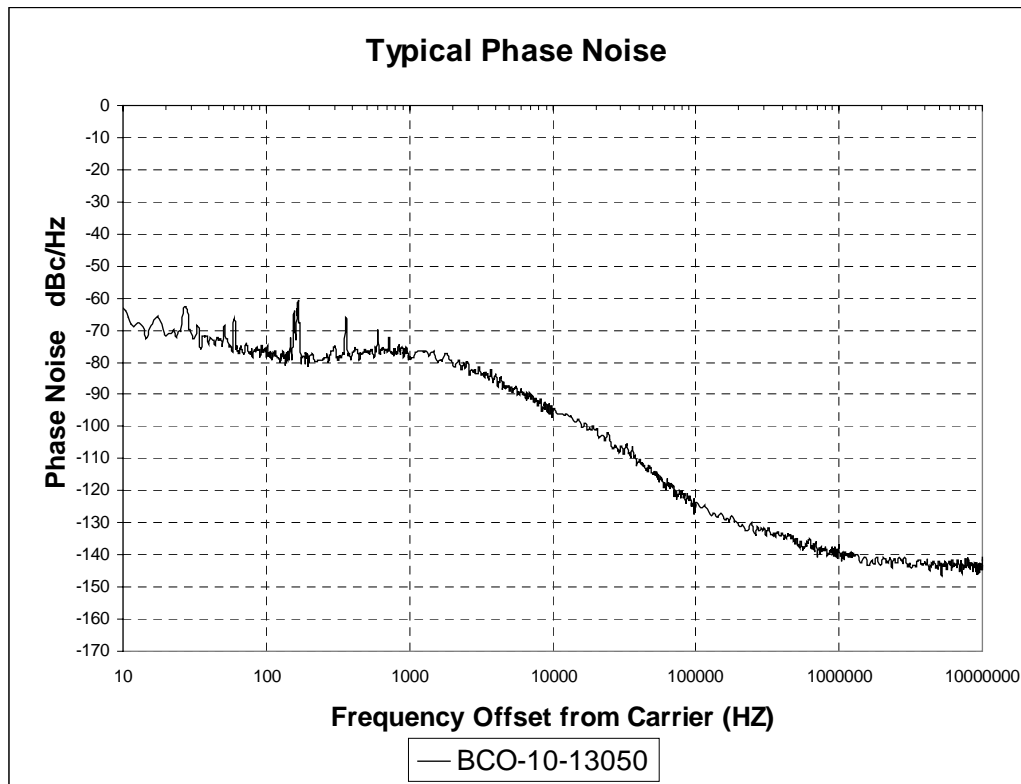
4 – 16 GHz (MULTIPLIED)

FEATURES

- Low cost
- Phase locked to external standard or internal crystal reference
- High Q ceramic resonator
- Low phase noise
- Small package
- 100% burn-in and temperature testing
- Three-year warranty



The BCO Series phase-locked source offers excellent phase noise and spurious performance in a 2.25"W x 2.25"L x .6"H housing. Available in fixed frequencies from 200 MHz to 16 GHz in fundamental or multiplied configurations. Units can operate from either external reference, or internal TCXO with stability up to 1 ppm. Available with operating voltages from 5.2 to 15 VDC, and feedthru filtercons or a 4 pin interface connector.



SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Output frequency range	4 – 16 GHz
Output power	+13 dBm minimum
Output Harmonics	-20 dBc maximum
Output Spurious	-70 dBc maximum
Input frequency range	1 – 200 MHz
Input impedance	50 ohms
Load VSWR	1.5:1
DC power requirements Multiplied	+5.2 to +15 volts @ 300mA
Phase noise	See graphs

ENVIRONMENTAL CONDITIONS

Temperature	
Operating	-10 to +60°C
Storage	-50 to +100°C
Humidity	95% at 40°C noncondensing
Shock (survival)	30 g's, 10 ms pulse
Vibration (survival)	20 to 2000 Hz random to 4 g's rms
Weight	90 grams

Extended temperature available, contact factory.

ORDERING INFORMATION

BCO - - - - P -
External Reference Frequency (MHz) Output Frequency (MHz) Alarm D.C. Supply (+volts) First Option Second Option

Internal Reference Option:

BCO-I- - P -
Output Frequency (MHz) Alarm D.C. Supply (+volts) First Option Second Option



BCO OUTLINE DRAWINGS

