

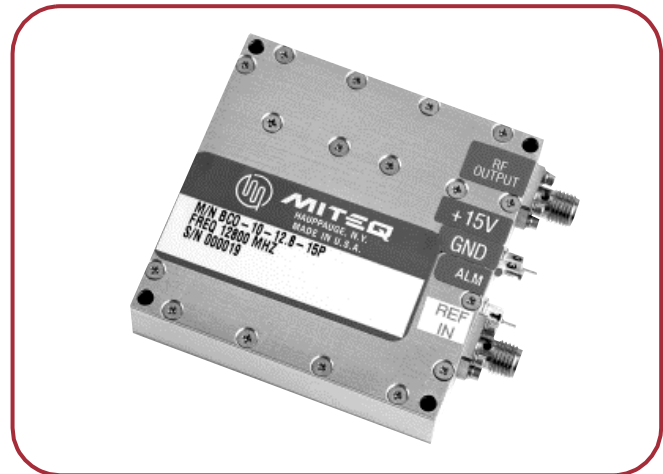
## HIGH-VALUE PHASE-LOCKED COAXIAL RESONATOR OSCILLATOR

### BCO SERIES:

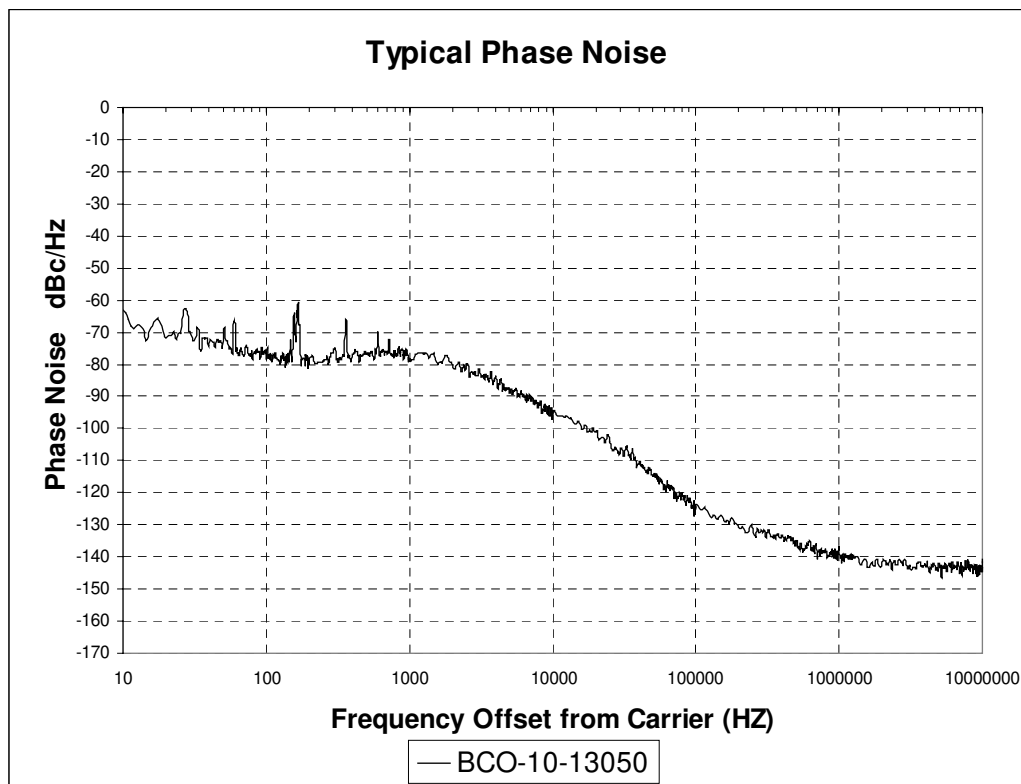
4 – 16 GHz (MULTIPLIED)

### 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      Output Frequency      Alarm      D.C. Supply      First      Second  
Frequency (MHz)      (MHz)      (+volts)      Option      Option

Internal Reference Option:

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



# BCO OUTLINE DRAWINGS

