

ELECTRICALLY TUNED COAXIAL OSCILLATOR

ETCO SERIES: 4–12 GHz (MULTIPLIED)

FEATURES

- Flexible design for customer requirements
- Electronically tuned for low noise source
- Up to octave band tuning (to 4 GHz)
- High Q resonator (narrow band units)
- Internal regulation for improved phase noise
- Small package
- 100% temperature testing
- Three-year warranty



ELECTRICAL SPECIFICATIONS

Output frequency range coverage (in bands)	4 – 12 GHz
Output power	+13 dBm minimum
Output harmonic	-15 dBc maximum
Output spurious and subharmonics	-50 dBc maximum
Phase noise	See graph
Input tuning voltage (tuning bandwidth related)	0–15 V maximum
Input tuning (modulation) bandwidth	up to 10 MHz maximum
Load VSWR	1.5:1
DC power (typical) Multiplied (4–12 GHz)	+12 to +15 V @ 300 mA

Note: Nonstandard tuning requirements available, please contact MITEQ.



