

PHASE LOCKED CERAMIC RESONATOR OSCILLATOR

0.5 TO 3.0 GHz

FEATURES

- ◆ Low Cost
- ◆ Low Noise
- ◆ Low Spurious
- ◆ High Stability
- ◆ Low Phase Hits
- ◆ Small Size



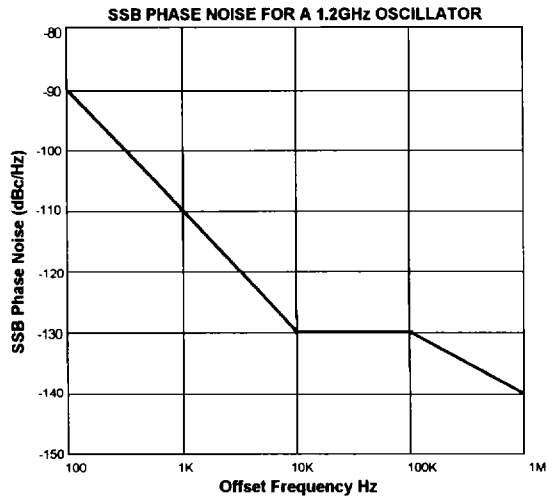
DESCRIPTION

MLO-27600 Series phase locked ceramic-resonator oscillators are designed for use as local oscillators in frequency converter systems. They supplement M/A-COM LTD's MLO-27300 microwave PLDROs below 3GHz where the size of DROs becomes impractical. As an option, the MLO-27600 may be locked to an external reference.

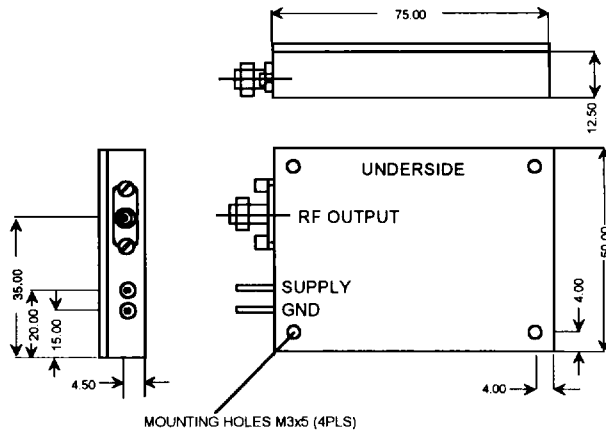
SPECIFICATION

Output Frequency	: Any discrete frequency in band 0.5 to 3.0 GHz	Harmonic Spurious	: -30dBc
Output Power	: +10dBm min.	Non-Harmonic Spurious	: -70dBc
Frequency Stability	: ±20 ppm or as external reference	Phase Noise	: See Over
		Power Supply	: +15V D.C. 60mA max.

PHASE NOISE PERFORMANCE



MECHANICAL CHARACTERISTICS



ENVIRONMENTAL CONDITIONS

Operating Temperature Range : -40°C to +70°C

Storage Temperature Range : -40°C to +85°C

OPTIONS

External Reference

All specifications are typical and subject to change without notice

M/A-COM Ltd, Humphrys Road, Dunstable, Bedfordshire, LU5 4SX United Kingdom.

Europe: (44) 1344 869595

North America: 800 366 2266

Asia Pacific: (81) 3 3226 1671