

Jersey Microwave

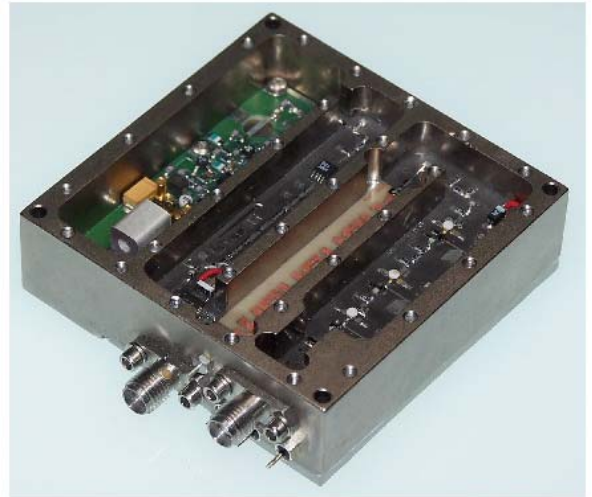
Phase-Locked CRO (Coaxial Resonator Oscillator)

Features

- ✓ Small Size
- ✓ Voltage Regulator
- ✓ High Reliability
- ✓ Low Microphonics

Options

- Alternative references
- Output Power to specific requirements



Description

Jersey Microwave's Coaxial Resonator Oscillators are used for a wide variety of communication needs. These oscillators provide a single RF frequency output with an output power of +12 dBm to +16 dBm. They feature small size, low phase noise (spurious at fo +/-250 MHz <-80 dBc) and high reliability. They can be phase-locked to a 5, 10 or 50 MHz external reference and are powered from a single DC voltage. Jersey Microwave components can be tailored to meet your company's specific needs.

Specifications

Parameter		Limits
Output Frequency (single frequency within the band)		500 - 3000 MHz
Output Power		+12 dBm Min.
Output Power versus Temperature		+/- 2 dB
Harmonics		-30 dBc Max.
Spurious	Fo +/- 250 MHz	-80 dBc Max.
	Beyond	-60dBc Max.
Load VSWR (vs. 50 Ohms)		1.5:1 Max.
Phase Noise		-120 dBc/Hz @10 KHz offset
Reference - Frequency		5/10/50 MHz
Reference - Input Level		0 dBm +/- 5 dB Max.
Fault Alarm: TTL		H: Locked L: Unlocked
Power Requirement		12 – 15 VDC @ 320 mA Max.
Operating Temperature		-30° C to +60° C
Connectors	Output/Reference	SMA – Female
	DC In / Alarm / Φ V	RFI Feedthrough
Package Size (LxWxH) Max.		2.25" x 2.25" x 0.65"

Note: Specifications are subject to change without notice