

Multi-Channel LO Generator



Features

- Multiple RF outputs
 - Fixed frequency outputs
 - Five tunable channels
- BIT (built-in-test)
- Frequencies can be adjusted depending on customers requirements
- All outputs coherent to input reference

Electrical Specification

- X-band tunable frequency range
- 5 Selectable X-band outputs, independently Tunable
- Multiple fixed L-band outputs configurable per customers requirements
- Phase/frequency stability vs. vibration
 - Better than $3 \times 10^{-10}/G$
- Frequency stability vs. temperature
 - Based on crystal performance, per customers requirements
- Long term frequency stability
 - ± 1.5 PPM/year and ± 10 PPM over 10 years
- Very low phase noise
- Spurious outputs: -85 dBc
- Harmonics: -40 dBc

Environmental Specification

- Suitable for multiple environments, including ground, shipboard and airborne

Mechanical Specifications

- Size (excluding connectors): 12.3" x 7.1" x 2.7" (Approx.) (31.2 cm x 18 cm x 6.9 cm)
- Connectors: SMA

Typical Applications

- Fast switching local oscillator
- Complete LO suite for up-converters/downconverters
- LO generator for transmitters and receivers
- Radar and EW applications

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