Product catalog

Local Oscillator Sources

Local oscillator sources drive mixers in RF and microwave frequency-conversion paths. Frequency coverage, delivered LO power and spectral purity determine their fit with the converter.



Products: 2

Revision: 1 · Revision date: 2026-11-08



LCLOS-22000-44000-2

22–44 GHz Two-Output Local Oscillator Module

Two-output LO module with a tunable 22–44 GHz RF1 path and a fixed 20.2 GHz RF2 path. A 100 MHz external reference and 3-wire SPI control support millimeter-wave RF frequency planning.

Reference frequency: Value: 100; Unit: MHz

Reference input power: Value: 5–10; Unit: dBm

Reference phase noise @ 100 Hz: Value: ≤-130; Unit: dBc/Hz

Reference phase noise @ 1 kHz: Value: ≤-150; Unit: dBc/Hz

Product details Product datasheet



LCLOS-22000-44000-4

22–44 GHz Four-Output Local Oscillator Module

Four-output LO module with tunable 22–44 GHz RF11/RF12 paths and fixed 20.2 GHz RF21/RF22 paths. The paired outputs share a 100 MHz external reference and 3-wire SPI control.

Reference frequency: Value: 100; Unit: MHz

Reference input power: Value: 5–10; Unit: dBm

Reference phase noise @ 100 Hz: Value: ≤-130; Unit: dBc/Hz

Reference phase noise @ 1 kHz: Value: ≤-150; Unit: dBc/Hz

Product details Product datasheet

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.