Product catalog

RF Signal Generators

RF signal generators produce controllable RF or microwave test signals with defined frequency, output level, modulation and sweep behavior.

Products: 10

Revision: 2 · Revision date: 2026-11-12





LCLFM-2400-2500-1

2400–2500 MHz PLL Linear Frequency Sweep Source

Triangular LFM source with approximately 1 µs scan time, 5 dBm typical saturated output and an SMA female RF connector.

Output frequency: Value: 2400–2500; Unit: MHz

Saturated output power (Psat): Value: 5; Unit: dBm; Notes: Typical: 5 dBm.

Output impedance: Value: 50; Unit: Ω; Notes: Typical: 50 Ω.

Supply voltage: Value: 28; Unit: VDC; Notes: Typical: 28 VDC.

Product details Product datasheet



LCLFM-5150-5250-1

5150–5250 MHz PLL Linear Frequency Sweep Source

Analog triangular LFM with approximately 1 µs scan time, 2 dBm typical saturated output and 50 Ω typical output impedance.

Output frequency: Value: 5150–5250; Unit: MHz

Saturated output power (Psat): Value: 2; Unit: dBm; Notes: Typical: 2 dBm.

Output impedance: Value: 50; Unit: Ω; Notes: Typical: 50 Ω.

Supply voltage: Value: 28; Unit: VDC; Notes: Typical: 28 VDC.

Product details Product datasheet



LCLFM-5725-5850-1

5725–5850 MHz PLL Linear Frequency Sweep Source

PLL-based triangular LFM source, approximately 1 µs scan time, 2 dBm typical saturated RF power and SMA female output.

Output frequency: Value: 5725–5850; Unit: MHz

Saturated output power (Psat): Value: 2; Unit: dBm; Notes: Typical: 2 dBm.

Output impedance: Value: 50; Unit: Ω; Notes: Typical: 50 Ω.

Supply voltage: Value: 28; Unit: VDC; Notes: Typical: 28 VDC.

Product details Product datasheet



LCPAM-1000-5000-20A

1000–5000 MHz Swept RF Interference Source, 25 W Typical, Variant A

Variant A integrates a swept-frequency signal generator to produce RF output directly across 1000–5000 MHz. Saturated output is 18 W minimum and 25 W typical; typical dynamic current is 3.5 A at 25 W.

Operating frequency: Symbol: BW; Minimum: 1000; Maximum: 5000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 18; Typical: 25; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 42.5; Unit: dB

Harmonics at 25 W: Symbol: H; Typical: -12; Unit: dBc

Product details Product datasheet



LCPAM-1000-5000-20B

1000–5000 MHz Swept RF Interference Source, 20 W Minimum, Variant B

Variant B includes an integrated swept-frequency generator for direct RF output across 1000–5000 MHz. Saturated output is 20 W minimum and 25 W typical; the table records 43 dB minimum gain.

Operating frequency: Symbol: BW; Minimum: 1000; Maximum: 5000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 20; Typical: 25; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 43; Unit: dB

Harmonics at 25 W: Symbol: H; Typical: -12; Unit: dBc

Product details Product datasheet



LCPAM-2000-6000-20A

2000–6000 MHz Swept RF Interference Source, 25 W Typical, Variant A

Variant A integrates a swept-frequency generator within a module producing direct RF output across 2000–6000 MHz. Saturated output is 18 W minimum and 25 W typical; recorded minimum gain is 42.5 dB.

Operating frequency: Symbol: BW; Minimum: 2000; Maximum: 6000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 18; Typical: 25; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 42.5; Unit: dB

Harmonics at 25 W: Symbol: H; Typical: -12; Unit: dBc

Product details Product datasheet



LCPAM-2000-6000-20B

2000–6000 MHz Swept RF Interference Source, 20 W Minimum, Variant B

Variant B produces swept RF signals directly using an integrated generator across 2000–6000 MHz. Saturated output is 20 W minimum and 25 W typical; minimum gain is 43 dB and typical harmonics are −12 dBc at 25 W.

Operating frequency: Symbol: BW; Minimum: 2000; Maximum: 6000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 20; Typical: 25; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 43; Unit: dB

Harmonics at 25 W: Symbol: H; Typical: -12; Unit: dBc

Product details Product datasheet



LCPAM-2000-6000-25

2000–6000 MHz Swept RF Interference Source, 25 W Typical

The module integrates a swept-frequency generator producing RF output directly across 2000–6000 MHz. The table records 18 W minimum and 25 W typical saturated output, with 42.5 dB minimum gain.

Operating frequency: Symbol: BW; Minimum: 2000; Maximum: 6000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 18; Typical: 25; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 42.5; Unit: dB

Output impedance: Symbol: Impedance; Typical: 50; Unit: Ω

Product details Product datasheet



LCPAM-2000-6000-30

2000–6000 MHz Swept RF Interference Source, 30 W Typical

The source produces swept RF output directly through an integrated generator across 2000–6000 MHz. Saturated output is 20 W minimum and 30 W typical, with 3.5 A typical dynamic current at 30 W.

Operating frequency: Symbol: BW; Minimum: 2000; Maximum: 6000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 20; Typical: 30; Unit: W

Power gain @ PSAT: Symbol: Gp; Minimum: 43; Unit: dB

Output impedance: Symbol: Impedance; Typical: 50; Unit: Ω

Product details Product datasheet



LCPAM-2000-8000-20

2000–8000 MHz Swept RF Interference Source, 20 W Minimum

The electrical table specifies 2000–8000 MHz and 20 W minimum output for this module with an integrated swept-frequency generator. Typical dynamic current is 4 A at 20 W output.

Operating frequency: Symbol: BW; Minimum: 2000; Maximum: 8000; Unit: MHz

RF output power @ PSAT: Symbol: PSAT; Minimum: 20; Unit: W

Output impedance: Symbol: Impedance; Typical: 50; Unit: Ω

Operating voltage: Symbol: VDC; Typical: 28; Unit: VDC

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.