Product catalog

Narrowband High Power Amplifiers

Narrowband high power amplifiers deliver high RF or microwave output power over a defined operating band rather than broad frequency coverage. They are used in radar transmitters, telemetry links, communication transmit paths and RF test systems.



Products: 5

Revision: 6 · Revision date: 2026-11-11



LCPAM-1500-1700-50-485

1.5–1.7 GHz 50 W RF Power Amplifier Module

The 1.5–1.7 GHz module has 50 W typical saturated output and 47 dB typical gain. At 50 W, current is 4 A typical and harmonics are −15 dBc typical.

Operating frequency: Symbol: BW; Minimum: 1500; Maximum: 1700; Unit: MHz

Saturated RF output power: Symbol: Pout; Typical: 50; Unit: W

Power gain: Symbol: Gp; Typical: 47; Unit: dB

Power gain flatness: Symbol: Gp; Typical: ±1; Unit: dB

+28.0 VDC, 25 °C, 50 Ω system unless otherwise stated

Product details Product datasheet



LCPAM-2300-2500-50-485

2.3–2.5 GHz 50 W RF Power Amplifier Module

For 2.3–2.5 GHz, the specified saturated output is 50 W typical with 47 dB typical gain and ±1 dB typical gain flatness. At 50 W, typical current is 4 A.

Operating frequency: Symbol: BW; Minimum: 2300; Maximum: 2500; Unit: MHz

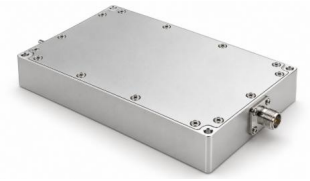
Saturated RF output power: Symbol: Pout; Typical: 50; Unit: W

Power gain: Symbol: Gp; Typical: 47; Unit: dB

Power gain flatness: Symbol: Gp; Typical: ±1; Unit: dB

+28.0 VDC, 25 °C, 50 Ω system unless otherwise stated

Product details Product datasheet



LCPAM-5000-6000-50-485

5–6 GHz 50 W RF Power Amplifier Module

This 5–6 GHz module specifies 50 W typical saturated output and 47 dB typical gain. At 50 W, current is 7 A typical and harmonics are −15 dBc typical.

Operating frequency: Symbol: BW; Minimum: 5000; Maximum: 6000; Unit: MHz

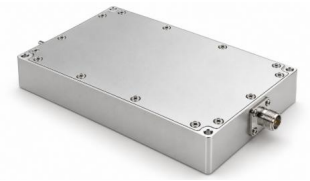
Saturated RF output power: Symbol: Pout; Typical: 50; Unit: W

Power gain: Symbol: Gp; Typical: 47; Unit: dB

Power gain flatness: Symbol: Gp; Typical: ±1; Unit: dB

+28.0 VDC, 25 °C, 50 Ω system unless otherwise stated

Product details Product datasheet



LCPAM-5600-5900-50-485

5.6–5.9 GHz 50 W RF Power Amplifier Module

The 5.6–5.9 GHz module specifies 50 W typical saturated output, 47 dB typical gain and ±1 dB typical gain flatness. At 50 W, current is 7 A typical with 50% typical power-added efficiency.

Operating frequency: Symbol: BW; Minimum: 5600; Maximum: 5900; Unit: MHz

Saturated RF output power: Symbol: Pout; Typical: 50; Unit: W

Power gain: Symbol: Gp; Typical: 47; Unit: dB

Power gain flatness: Symbol: Gp; Typical: ±1; Unit: dB

+28.0 VDC, 25 °C, 50 Ω system unless otherwise stated

Product details Product datasheet



LCPAM-5700-5900-50-485

5.7–5.9 GHz 50 W RF Power Amplifier Module

Across 5.7–5.9 GHz, the module specifies 50 W typical saturated output and 47 dB typical gain. Typical gain flatness is ±1 dB and harmonics at 50 W are −15 dBc typical.

Operating frequency: Symbol: BW; Minimum: 5700; Maximum: 5900; Unit: MHz

Saturated RF output power: Symbol: Pout; Typical: 50; Unit: W

Power gain: Symbol: Gp; Typical: 47; Unit: dB

Power gain flatness: Symbol: Gp; Typical: ±1; Unit: dB

+28.0 VDC, 25 °C, 50 Ω system unless otherwise stated

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.