Product catalog

Antennas & Radiating Front Ends

Antennas and radiating front ends connect an RF chain to the propagation environment. Compare frequency coverage, installed impedance, realized gain, pattern, beamwidth, polarization, efficiency, power, PIM, mounting and environmental evidence.



Products: 9

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

Omnidirectional Antennas



LCANT-20-6000-2

20 MHz–6 GHz Omnidirectional Fiberglass Antenna

Vertically polarized, 50 Ω omnidirectional antenna with −6 to 2 dBi gain, VSWR ≤2.5 and 100 W maximum input power.

Frequency range: Value: 20–6000; Unit: MHz

Antenna gain: Value: −6–2; Unit: dBi

VSWR: Value: ≤2.5

Polarization: Value: Vertical

Product details Product datasheet

Directional Antennas



LCDLPA-50K-3000-7

50 kHz–3 GHz, 7 dBi Log-Periodic Directional Antenna

Compact 50 Ω transmit/receive antenna with 7 dBi stated gain, VSWR <2 and 50 W maximum power.

Frequency range: Value: 0.05–3000; Unit: MHz

Antenna gain: Value: 7; Unit: dBi

VSWR: Value: <2

Input impedance: Value: 50; Unit: Ω

Product details Product datasheet



LCDLPA-600-6000-18

600 MHz–6 GHz, 18 dBi Log-Periodic Directional Antenna

Vertically polarized 50 Ω directional transmit/receive antenna, with 18 dBi stated gain, VSWR ≤1.5 and 100 W maximum power.

Frequency range: Value: 600–6000; Unit: MHz

Antenna gain: Value: 18; Unit: dBi

Radiation direction: Value: Directional transmit / receive

Maximum input power: Value: 100; Unit: W

Product details Product datasheet



LCDYA-1560-1620-50

1.56–1.62 GHz, 11±1 dBi Directional Yagi Antenna

L-band 50 Ω Yagi antenna with vertical polarization, VSWR ≤2.0 and 50 W maximum input power.

Frequency range: Value: 1560–1620; Unit: MHz

Antenna gain: Value: 11±1; Unit: dBi

VSWR: Value: ≤2.0

Polarization: Value: Vertical

Product details Product datasheet



LCDYA-2400-2500-50

2.4–2.5 GHz, 13±1 dBi Directional Yagi Antenna

50 Ω Yagi antenna for 2.4 GHz RF links, with vertical polarization, VSWR ≤2.0 and 50 W maximum input power.

Frequency range: Value: 2400–2500; Unit: MHz

Antenna gain: Value: 13±1; Unit: dBi

VSWR: Value: ≤2.0

Polarization: Value: Vertical

Product details Product datasheet



LCDYA-5150-5850-50

5.15–5.85 GHz, 13±1 dBi Directional Yagi Antenna

50 Ω Yagi antenna for 5 GHz directional RF links, with vertical polarization, VSWR ≤2.0 and 50 W maximum input power.

Frequency range: Value: 5150–5850; Unit: MHz

Antenna gain: Value: 13±1; Unit: dBi

VSWR: Value: ≤2.0

Polarization: Value: Vertical

Product details Product datasheet



LCLPDA-30-2000-5

30 MHz–2 GHz Log-Periodic Dipole Array Antenna

Linearly polarized LPDA with gain ≥5 dBi, typical VSWR ≤2.0 and 50 W maximum input power.

Frequency range: Value: 30–2000; Unit: MHz

VSWR: Value: ≤2.0; Notes: The source states typical VSWR ≤2.0; this is not a guaranteed maximum. Typical: 2.

Antenna gain: Value: ≥5; Unit: dBi; Notes: Minimum: 5 dBi.

Polarization: Value: Linear

Product details Product datasheet



LCLPDA-30-3000-5

30 MHz–3 GHz Log-Periodic Dipole Array Antenna

Broadband linear-polarization LPDA with ≥5 dBi gain, N female 50 Ω interface and maximum input power 50 W.

Frequency range: Value: 30–3000; Unit: MHz

VSWR: Value: ≤2.0; Notes: The source states typical VSWR ≤2.0; this is not a guaranteed maximum. Typical: 2.

Antenna gain: Value: ≥5; Unit: dBi; Notes: Minimum: 5 dBi.

Polarization: Value: Linear

Product details Product datasheet

Horn Antennas



LCHA-2000-18000-18

2–18 GHz Broadband Horn Antenna, Vertical Linear Polarization

The antenna covers 2–18 GHz with vertical linear polarization. Gain varies with frequency from 5.5 to 18 dBi and is greater than 9 dBi at 3.6 GHz.

Frequency range: Value: 2–18; Unit: GHz; Notes: Minimum: 2 GHz. Maximum: 18 GHz.

VSWR: Value: ≤2.0:1; Notes: Typical bounded value; not a guaranteed maximum. Typical: 2.

Polarization: Value: Vertical linear polarization

Gain: Value: 5.5–18; Unit: dBi; Notes: Frequency dependent.

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.