Product catalog

Directional Antennas

Directional antennas concentrate RF or microwave energy toward a defined coverage direction. They are used in point-to-point links, radar support paths, telemetry, RF perimeter coverage, field testing and communication infrastructure.



Products: 7

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



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.

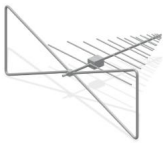
Frequency range: Value: 5150–5850; Unit: MHz

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

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.