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

LCDYA-5150-5850-50 operates from 5150 to 5850 MHz for directional links in the 5 GHz band. Gain is 13±1 dBi, with 35±5° horizontal and 30±5° vertical beamwidths. The source specifies vertical polarization, 50 Ω impedance, VSWR ≤2.0 and 50 W maximum input power. The metal construction measures 370 × 40 × 1.9 mm and uses SMA-J with 5 cm RG141 cable and DC grounding.



Install the antenna with professional oversight and tighten the mounting and equipment connections. Choose the installation position for the actual surroundings, keeping nearby tall buildings and large metal structures in mind.

The source specifies built-in installation, –30 to +65 °C operation and 10–95% humidity; it does not establish an IP rating or certified system performance.

Electrical specifications

Parameter	Value	Unit
Frequency range	5150–5850	MHz
Antenna gain	13±1	dBi
VSWR	≤2.0	-
Polarization	Vertical	-
Horizontal beamwidth	35±5	°
Vertical beamwidth	30±5	°
Input impedance	50	Ω
Maximum input power	50	W
Antenna connector	SMA-J with RG141 cable (5 cm)	-
Lightning protection	DC grounding	-

Mechanical and environmental specifications

Parameter	Value	Unit
Antenna dimensions	370 × 40 × 1.9	mm
Packing dimensions	480 × 350 × 110	mm
Antenna weight	0.1±0.01	kg
Operating humidity	10–95	%
Radome material	Metal	-
Operating temperature	–30–+65	°C
Installation method	Built-in installation	-

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.