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

LCDYA-2400-2500-50 covers 2400–2500 MHz for directional RF links in the 2.4 GHz band. Gain is 13±1 dBi, with 40±10° horizontal and 35±8° vertical beamwidths. The vertically polarized, 50 Ω antenna has VSWR ≤2.0 and 50 W maximum input power. Its 370 × 63 × 2.5 mm metal construction connects through an SMA-J connector and 5 cm RG141 cable, with 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	2400–2500	MHz
Antenna gain	13±1	dBi
VSWR	≤2.0	-
Polarization	Vertical	-
Horizontal beamwidth	40±10	°
Vertical beamwidth	35±8	°
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 × 63 × 2.5	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.