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

LCDYA-1560-1620-50 is a directional Yagi antenna for L-band RF links from 1560 to 1620 MHz. Gain is 11±1 dBi, with horizontal and vertical beamwidths of 45±5° and 40±5°. The source specifies 50 Ω impedance, VSWR ≤2.0 and 50 W maximum input power. Its 484.3 × 85.5 × 1.5 mm body uses an SMA-J connection through 5 cm of 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	1560–1620	MHz
Antenna gain	11±1	dBi
VSWR	≤2.0	-
Polarization	Vertical	-
Horizontal beamwidth	45±5	°
Vertical beamwidth	40±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	484.3 × 85.5 × 1.5	mm
Packing dimensions	500 × 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.