

LT-CO-450-470-2.5

Omnidirectional Ceiling Mount Antenna

The Lamatel LT-CO-450-470-2.5 is a high-efficiency ceiling mount omnidirectional antenna designed for indoor UHF communication systems operating in the 450–470 MHz frequency range.

Engineered for uniform 360° coverage and stable signal distribution, this antenna delivers 2.5 dBi gain with low VSWR, ensuring optimal performance and signal reliability.

Compact, lightweight, and built with durable ABS material, it offers a clean aesthetic design that blends seamlessly into indoor environments—ideal for offices, control centers, warehouses, and public buildings.

Key Features

- Frequency Range: 450–470 MHz
- Gain: 2.5 dBi omnidirectional coverage
- VSWR: ≤ 1.5 for efficient signal performance
- Polarization: Vertical
- Design: Compact and lightweight ceiling-mount form
- Power Handling: Up to 50 W
- Connector: N-Female for secure connection
- Durability: Weather-resistant ABS housing for indoor environments

Ordering Information

The LT-CO-450-470-2.5 (450-470 MHz 2.5 dBi) belongs to the Omnidirectional Ceiling Mount.

Other available models in this series include:

- LT-CO-340-360-2.5 (340-360 MHz 2.5 dBi)
- LT-CO-380-400-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-400-420-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-410-430-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-430-450-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-450-470-2.5 (450-470 MHz 2.5 dBi)

Custom options are available upon request, including specific frequency ranges, connector types, and channel bandwidths.

Specifications

Parameter	Specification
Model	LT-CO-450-470-2.5
Frequency Range	450–470 MHz
Gain	2.5 dBi
Power Rating	50 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Beamwidth (V/H)	80° / 360°
Connector Type	N-Female
Antenna Size ($\varnothing \times H$)	$\varnothing 165 \times 94$ mm
Weight	0.3 kg
Mounting Type	Ceiling Mount
Bandwidth	Center Frequency ± 2 MHz
Material	UV-resistant ABS enclosure
Environment	Indoor

Applications

- Compact & Lightweight: Easy to install in false ceilings or indoor panels.
- Consistent Coverage: Ensures stable and uniform indoor communication.
- Durable & Low-Maintenance: Resistant to heat, humidity, and corrosion.

