

LT-CO-430-450-2.5

Omnidirectional Ceiling Mount Antenna

The Lamatel LT-CO-430-450-2.5 is a compact omnidirectional ceiling mount antenna engineered for indoor UHF communication systems operating in the 430–450 MHz frequency range.

Designed for stable signal performance and uniform coverage, this antenna provides 2.5 dBi gain with 360° horizontal radiation, making it ideal for indoor wireless systems, control rooms, and commercial environments.

Its low VSWR, lightweight construction, and professional ceiling-mount design ensure efficient signal transfer, easy installation, and long-lasting reliability.

Key Features

- Frequency Range: 430–450 MHz
- Gain: 2.5 dBi omnidirectional coverage
- Low VSWR: ≤ 1.5 for efficient signal performance
- Polarization: Vertical
- Compact Design: Lightweight ceiling mount structure
- Connector: N-Female termination
- Durability: All-weather and corrosion-resistant ABS housing
- Power Handling: Up to 50 W continuous

Ordering Information

The LT-CO-430-450-2.5 (430-450 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-430-450-2.5
Frequency Range	430–450 MHz
Antenna 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
Application	Indoor / Semi-Indoor Environments

Applications

- Public Safety and Emergency Networks
- Industrial Communication Systems
- Warehouses and Production Facilities
- Office and Commercial Buildings
- Transportation Hubs and Control Centers

