

LT-ANT806-869-8NF

UHF/LTE FIBERGLASS OMNI ANTENNA

The LT-ANT806-869-8NF is a fiberglass omni-directional antenna optimized for the 806–869 MHz band. With 8 dBi gain and a wide 17° vertical beamwidth, it is designed for reliable medium-range coverage in LTE, data, and wireless paging applications. Its 2.0 m fiberglass radome, 400 W input power capacity, and IP65 protection ensure robust performance and long service life in outdoor environments.

Key Features

- Frequency range: 806–869 MHz
- Medium gain 8 dBi omnidirectional coverage
- Wide vertical beamwidth (17°) for balanced area coverage
- 400 W maximum input power
- Low VSWR (≤ 1.5) for efficient performance
- Excellent intermodulation performance ($IM3 \leq -150$ dBc)
- N Female connector, bottom mounted
- Compact and rugged 2.0 m fiberglass radome
- Wind resistance: 60 m/s
- Supplied with U-Bolt or Butterfly mounting kit

Feature	LT-ANT806-869-8NF
Frequency Range	806–869 MHz
Gain	8 dBi
Bandwidth	63 MHz
Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	17°
Omni Ripple	± 1.5 dB
VSWR	≤ 1.5
Impedance	50 Ω
Intermodulation (IM3)	≤ -150 dBc
Max. Power	400 W
Lightning Protection	DC Grounded
Connector	N Female
Connector Position	Bottom
Length	2000 ± 10 mm
Diameter	50 mm
Weight (Antenna)	3 ± 0.05 kg
Bracket Weight	0.47 kg
Radome Material	Fiberglass
Color	Blue
Operating Temp	-40 to +70 °C
Relative Humidity	5–95 %
Wind Rating	60 m/s
Salt Spray Resistance	96 hrs Neutral (GB/T 2423.17-2008)
Ingress Protection	IP65
Mounting Pole $\varnothing$	40–50 mm
Mounting Kit	U-Bolt or Butterfly Mount



Applications

LTE and broadband wireless systems
Wireless data transmission networks
Paging and communication infrastructure
Urban and suburban coverage requiring long range
Critical outdoor deployments

Ordering Information

The LT-ANT806-869-8NF belongs to the UHF/LTE Omni Antenna Series (Fiberglass construction, 806–894 MHz).

Other available models in this series include:

LT-ANT806-894-11DM (806–894 MHz, 11 dBi)

Custom options are available upon request, including frequency tuning, connector types, and mounting accessories.

