

LT-ANT806-894-11DM

UHF/LTE FIBERGLASS OMNI ANTENNA

The LT-ANT806-894-11DM is a fiberglass omni-directional base station antenna optimized for the 806–894 MHz band. Delivering 11 dBi gain with a narrow 7° vertical beamwidth, it is engineered for long-range coverage in LTE, data, and wireless paging networks. With 500 W input power handling and robust IP65 ingress protection, this antenna ensures dependable performance in mission-critical outdoor deployments.

Key Features

- Frequency range: 806–894 MHz
- High gain 11 dBi omnidirectional coverage
- Narrow vertical beamwidth (7°) for long-distance reach
- 500 W maximum input power
- Low VSWR (≤ 1.8) for efficient operation
- Strong intermodulation performance ($IM3 \leq -150$ dBc)
- 7/16 DIN connector, bottom mounted
- Rugged 3.16 m fiberglass radome
- Rated wind speed: 60 m/s
- Supplied with U-Bolt or Butterfly mounting kit

Feature	LT-ANT806-894-11DM
Frequency Range	806–894 MHz
Gain	11 dBi
Bandwidth	Full band
Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	7°
Omni Ripple	± 1.5 dB
VSWR	≤ 1.8
Impedance	50 Ω
Intermodulation (IM3)	≤ -150 dBc
Max. Power	500 W
Lightning Protection	DC Grounded
Connector	7/16 DIN Female
Connector Position	Bottom
Length	3160 ± 5 mm
Diameter	60 mm
Weight	4 ± 0.2 kg (excluding bracket)
Radome Material	Fiberglass
Color	Blue
Operating Temp	-40 to +70 °C
Relative Humidity	5–95 %
Rated Wind Velocity	60 m/s
Ingress Protection	IP65
Mounting Pole $\varnothing$	40–50 mm (U-Bolt), 40–95 mm (Butterfly)
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-ANT806-894-11DM belongs to the UHF/LTE Omni Antenna Series (Fiberglass construction, 806–894 MHz).

Other available models in this series include:

LT-ANT806-869-8NF (806–869 MHz, 8 dBi)

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

