

LT-ANT340-360-DM9

UHF TETRA High-Gain Base Station Antenna

The Lamatel LT-ANT340-360-DM9 is a high-performance UHF omni-directional antenna designed to deliver exceptional signal stability and reliability across the 340–360 MHz frequency range. Built with precision-engineered materials and a durable fiberglass radome, this antenna ensures superior operation in demanding environments. Ideal for base station installations, the LT-ANT340-360-DM9 combines high gain performance with rugged weather resistance, making it a trusted choice for communication networks that demand consistent connectivity even in extreme outdoor conditions.

Key Features

- **Wide Frequency Range:** Operates efficiently within 340–360 MHz for flexible integration into UHF systems.
- **High Gain Performance:** Offers 9 dBi gain, ensuring strong and stable signal transmission and reception.
- **Omnidirectional Coverage:** Provides 360° horizontal coverage, making it ideal for multipoint and base station applications.
- **Superior Power Handling:** Supports up to 500 W of continuous power for high-demand environments.
- **Low VSWR:** Maintains a VSWR ≤ 1.5 , minimizing signal reflection and maximizing efficiency.
- **Durable Fiberglass Construction:** Built with a fiberglass radome for long-term reliability and resistance to UV radiation, wind, and corrosion.

Parameter	Description
Model	LT-ANT340-360-DM9
Frequency Range	340–360 MHz
Antenna Gain	9 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Pattern	Omnidirectional
Vertical Beamwidth	16°
Termination	7/16 DIN-Female
Dimensions (L x Base \varnothing)	$\varnothing 70 \times (4000 \pm 30)$ mm
Installed Weight (Antenna + Clamps)	6.5 ± 0.3 kg
Color	Blue
Wind Rating	60 m/s
Maximum Exposed Area	2.02 ft ²
Lateral Thrust @100 mph	8.4 kgf
PIM	≤ -150 dBc (@2x43 dBm)



Applications

UHF base station and repeater networks
Public safety and emergency communications
Aviation, marine, and transportation networks
Critical infrastructure coverage
Wide-area urban and rural deployments

Ordering Information

The LT-ANT340-360-DM9 belongs to the UHF Low Power Antenna Series (9 dBi, 500W, slim 3 m radome).

Other available models in this series :

LT-ANT340-360-DM9 (340-360MHz)
LT-ANT372-400D-8 (372-400 MHz)
LT-ANT300-320DM-9 (300-320 MHz)
LT-ANT350-375DM-8 (350-375MHz)
LT-ANT372-400D-8 (372-400 MHz)

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

