

LT-ANT134-142-6.5

Fiberglass Omni Base Antenna | 134-142 MHz | 6.5 dBi

Product Overview :

The Lamatel LT-ANT134-142-6.5 is a rugged, high-performance omnidirectional base antenna designed for VHF airband communications. With a frequency range of 134-142 MHz, this fiberglass antenna provides reliable coverage and strong signal stability, making it ideal for aviation, ground control, and other mission-critical communication environments.

Its 6.5 dBi gain, low VSWR, and durable construction ensure high efficiency and long-term performance even under extreme weather conditions.

Key Features :

- Wideband VHF coverage from 132 to 146 MHz
- High 500W power handling capacity for extended range and reliability
- Omnidirectional pattern for 360° signal distribution
- Weather-resistant fiberglass housing for harsh outdoor conditions
- Low VSWR for minimal signal loss
- Compact vertical beamwidth for focused energy efficiency

Applications:

- Air Traffic Communication
- Aviation Ground Stations
- VHF Radio Broadcast Systems
- Airport Infrastructure & Control Towers
- Maritime and Coastal Stations (VHF Airband)

Key Highlights :

- Purpose-built for VHF airband (134-142 MHz) communications
- Weatherproof fiberglass construction for long-term outdoor use
- Consistent signal coverage with a wide 25° vertical beamwidth
- Reliable in diverse environments—coastal, desert, and high-altitude
- Lightweight, low-maintenance, and easy to install
- Compatible with most 50Ω and base station setups



Specification :

| LT-ANT134-142-6.5 | |
|--|-----------------|
| Frequency Range | 134-142 MHz |
| Antenna Gain | 6.5 dBi |
| Power Rating | 100 W |
| Impedance | 50Ω |
| VSWR | ≤1.5 |
| Pattern | Omnidirectional |
| Vertical Beamwidth | 25° |
| Termination | N Female |
| Dimensions (Length x Base Diameter) | 127.95" x 1.77" |
| Installed Antenna Wt (Antenna + Clamps) | 3.32 Kg |
| Fiberglass Color | Blue |
| Wind rating (0.5" ice) | 23.7 KgF |
| Maximum Exposed Area | 1.17 ft² |
| Lateral Thrust at 100 mph | 5.3 KgF |

