

LT-ANT132-146-5

Fiberglass Omni Base Antenna | 132-146 MHz | 5 dBi

Product Overview :

The Lamatel LT-ANT132-146-5 is a rugged, high-performance omnidirectional base antenna designed for VHF airband communications. With a frequency range of 132-146 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 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 (132-146 MHz) communications
- Weatherproof fiberglass construction for long-term outdoor use
- Consistent signal coverage with a wide 35° vertical beamwidth
- Reliable in diverse environments—coastal, desert, and high-altitude
- Lightweight, low-maintenance, and easy to install
- Compatible with most 50 Ω and base station setups



Specification :

LT-ANT132-146-5	
Frequency Range	132-146 MHz
Antenna Gain	5 ± 1 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Pattern	Omnidirectional
Vertical Beamwidth	35°
Termination	N Female
Dimensions	Φ 70* (3580 ± 20) mm
Packing Dimensions	Φ 94* (4030 ± 20) mm
Weight with Bracket	5.3 ± 0.2 Kg
Fiberglass Color	Blue
Wind Rating (0 5' ice)	33 59KgF
Maximum Exposed Area	2.69 ft²
Wind Velocity	60m/s

