

# LT-ANT118-132-5

## Fiberglass Omni Base Antenna | 118-132 MHz | 5 dBi

### Product Overview :

The Lamatel LT-ANT118-132-5 is a rugged, high-performance omnidirectional base antenna designed for VHF airband communications. With a frequency range of 118–132 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 118 to 132 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 (118–132 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 VHF systems and base station setups



### Specification :

LT-ANT118-132-5	
Frequency Range	118-132 MHz
Antenna Gain	5 ± 1 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.6
Pattern	Omnidirectional
Vertical Beamwidth	35°
Termination	N Female
Dimension	Φ 70* (4000 ± 20) mm
Packing Dimension	Φ 70* (4450 ± 20) mm
Weight with Bracket	78 ± 02 Kg
Fiberglass Color	Blue
Maximum Exposed Area	01 f 2
Wind Velocity	60m/s

