

LT-ANTD1-380-470-5

TETRA & UHF 1-ELEMENT DIPOLE ANTENNA

The LT-ANTD1-380-470-5 is a 1-element UHF dipole antenna optimized for the 380–470 MHz band. Delivering 5 dBi gain with 300 W power handling, it provides reliable omnidirectional coverage for professional communication systems. Built with fiberglass and aluminum alloy, this antenna ensures long-term stability and durability under harsh outdoor conditions.

Key Features

- Frequency range: 380–470 MHz
- Gain: 5 dBi
- 300 W maximum input power
- Broadband design with VSWR ≤ 1.5
- Adjustable deployment in arrays for circular, cardioid, or bidirectional patterns
- DC grounded for lightning protection
- Compact and lightweight for easy installation
- Supplied with mounting hardware for mast installation (Ø40–60 mm)



| Feature | LT-ANTD1-380-470-5 |
|-------------------|------------------------------------------|
| Frequency Range | 380–470 MHz |
| Gain | 5 dBi |
| VSWR | ≤ 1.5 |
| Impedance | 50 Ω |
| Polarization | Vertical |
| Power Handling | 300 W |
| Connector | N Female (7/16 DIN optional) |
| Radiation Pattern | Omnidirectional (1-element) |
| Length | ~0.5 m |
| Weight | ~1.5 kg |
| Wind Rating | 60 m/s |
| Material | Aluminum + Fiberglass |
| Mounting | Stainless steel hardware, mast Ø40–60 mm |

Applications

UHF base station and repeater systems
Public safety and emergency communication networks
Utility and transportation networks
Industrial and infrastructure coverage
Rural and suburban wide-area deployments

Ordering Information

The LT-ANTD1-380-470-5 belongs to the Dipole Antenna Series (1, 2, and 4-element options).

Other available models in this series include:

LT-ANTD1-145-175-5 (145–175 MHz, 1-element)
LT-ANTD2-145-175-7 (145–175 MHz, 2-element)
LT-ANTD2-380-470-7 (380–470 MHz, 2-element)
LT-ANTD4-144-174-11 (144–174 MHz, 4-element)
LT-ANTD4-380-470-11 (380–470 MHz, 4-element)
LT-ANTD4-406-512-11 (406–512 MHz, 4-element)

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

Product specifications are subject to change without prior notice.

For more information, visit www.lamatel.com or send an email to sales@lamatel.com

