

LT-ANTD2-145-175-7

VHF 2-ELEMENT DIPOLE ANTENNA

The LT-ANTD2-145-175-7 is a 2-element VHF dipole antenna designed for the 145–175 MHz band. Offering 7 dBi gain and 300 W power handling, it provides extended coverage and enhanced performance compared to single-element dipoles. Its broadband design allows for reliable operation across the full band, while its rugged aluminum and fiberglass construction ensures long service life in harsh outdoor environments.

Key Features

- Frequency range: 145–175 MHz
- Gain: 7 dBi
- 300 W maximum input power
- Broadband design with VSWR ≤ 1.5
- Can be combined in arrays to form omni, cardioid, or bidirectional coverage patterns
- DC grounded for lightning protection
- Durable fiberglass and aluminum build
- Supplied with stainless steel mounting hardware



Feature	LT-ANTD2-145-175-7
Frequency Range	145–175 MHz
Gain	5.5–7 dBi (pattern dependent)
Vertical Beamwidth	35°
VSWR	≤ 1.5
Impedance	50 Ω
Max. Power	300 W
Polarization	Vertical
Connector	N Female or 7/16 DIN
Dimensions (H \times D)	1560 \times 440 mm
Weight	7 kg (with clamps)
Lightning Protection	DC Grounded
Wind Rating	60 m/s

Applications

VHF 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-ANTD2-145-175-7 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-ANTD1-380-470-5 (380–470 MHz, 1-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

