

# LT-ANT-440-480-3DF

## Fiberglass Omni Base Antenna | 440-480MHz | 3dBi

The LT-ANT-440-480-3DF is a high-quality omnidirectional antenna designed for UHF communication systems.

With a frequency range of 440–480 MHz and a gain of 3 dBi, this antenna delivers robust performance for a wide range of applications.

Built with durable fiberglass radome material and rated to withstand harsh environmental conditions, it is the perfect choice for both stationary and mobile installations.

### Features

Operates seamlessly between 440–480 MHz with a bandwidth of 40 MHz. Designed to withstand extreme weather with IP65 waterproofing and a robust fiberglass radome.

360° Horizontal Beamwidth

Rated for high wind velocities (60 m/s) and salt spray resistance.

Flexible Mounting Options: Includes a Butterfly Bracket for versatile installation.

#### Electrical Specifications

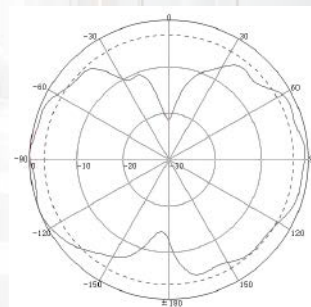
Frequency Range (MHz)	440 – 480 MHz
Bandwidth (MHz)	40
Polarization	Vertical
Gain (dBi)	3 ± 1
Horizontal Beam Width (°)	360
Vertical Beam Width (°)	68 ± 15
Horizontal Unroundness (dB)	±1.5
Impedance ( $\Omega$ )	50
VSWR	≤1.5
Maximum Input Power (W)	500

#### Mechanical Specifications

Connector Type	DIN-F
Connector Position	Bottom
Antenna Size (mm)	Ø70 × (1050 ± 5)
Antenna Weight (kg)	2.3 ± 0.05 (excluding bracket)
Radome Material	Fiberglass
Radome Color	Blue @Fiberglass
Operating Temperature (°C)	-50 ~ +70
Relative Humidity (%)	5 ~ 95
Rated Wind Velocity (m/s)	60
Salt Spray Resistance	96 Hours Neutral (GB/T 2423.17-2008)
Waterproofing Grade	IP65
Applications	Outdoor
Mounting Diameter (mm)	Ø70 ~ Ø114
Mounting Kit	Butterfly Bracket



Typical pattern E Plane



Typical pattern H Plane

