

LT-ANT-400-440-3DF

Fiberglass Omni Base Antenna | 400-440MHz | 3DBi

The LT-ANT-400-440-3DF is a high-quality omnidirectional antenna designed for UHF communication systems. With a frequency range of 400-440 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 400–440 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

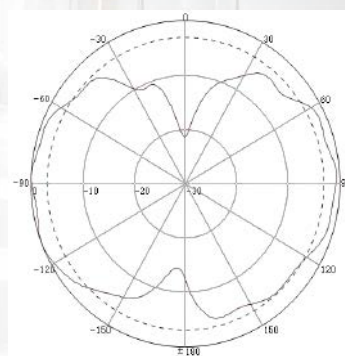
Frequency Range (MHz)	400 – 440 MHz
Bandwidth (MHz)	40
Polarization	Vertical
Gain (dBi)	3 ± 1
Horizontal Beam Width (°)	360
Vertical Beam Width (°)	68 ± 15
Horizontal Unroundness (dB)	±1.5
Impedance (Ω)	50
VSWR	≤1.5
Maximum Input Power (W)	500

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

