

LANtenna Series

TA-2450H Omnidirectional

2400-2483 MHz



The TA-2450H is a 9.5 dBi horizontally polarized omnidirectional antenna designed specifically for the 2.4 GHz ISM band. Pattern shaping and null fill provide optimum coverage while superior cross polarization discrimination allows operators to provide service in areas congested with vertically polarized systems. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2400-2483 MHz
Gain: 9.5 dBi
VSWR: 1.6:1 max.
Polarization: Horizontal
Power Rating: 1 Watt
H-Plane Beamwidth: 7 degrees
E-Plane Beamwidth: 360 degrees
Cross Pol. Discrimination: 20 dB min.
Impedance: 50 ohms nominal
Termination: N female

Typical mid band values. (For details , contact factory)
 Specifications subject to change without notice

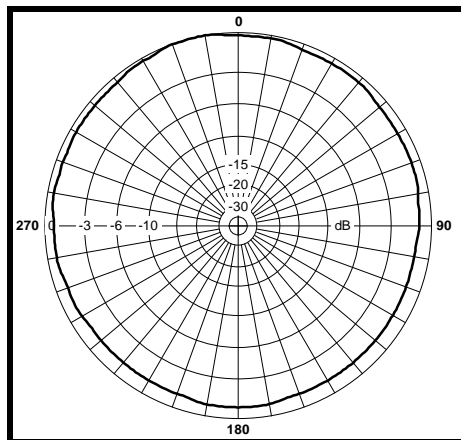
Mechanical Specifications

Length: 51 in. (1295 mm)
Diameter: 3 in. (76 mm)
Weight (Incl. Clamps): 12 lb. (5.4 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 44 lb (19.9 kg)
Mounting (O.D.): 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

Radiating Elements: Plated Copper on PCB
Radome: Gray UV stabilized fiberglass
Clamps: EDZ steel

E-Plane



H-Plane

