

LANtenna Series

TA-2304-2-180-ISM Sector

2400-2483 MHz



The TA-2304-2-180-ISM is a vertically polarized sectoral antenna with a fixed 180 degree pattern. The antenna consists of a printed dipole array enclosed in an aluminum base with a UV stabilized radome for superior weatherability. It is designed for wireless data in the ISM band and is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2400-2483 MHz
Gain: 12.5 dBi
VSWR: 1.5:1 max.
Front to Back Ratio: 15 dB
Polarization: Vertical
Power Rating: 100 Watts
H-Plane Beamwidth: 180 degrees
E-Plane Beamwidth: 7.2 degrees
Cross Pol. Discrimination: 20 dB min.
Impedance: 50 ohms nominal
Termination: N female

Mechanical Specifications

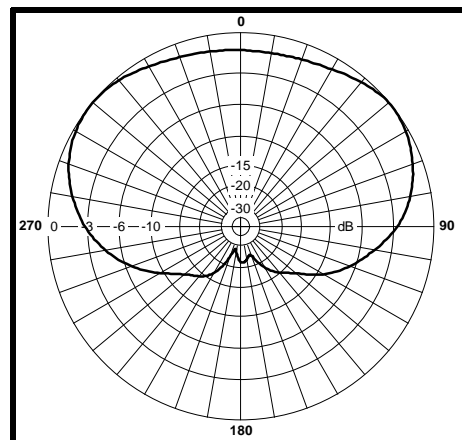
Length: 40 in. (1016 mm)
Width: 4.9 in. (124 mm)
Depth: 4.6 in. (117 mm)
Weight (incl. Clamps): 8 lb. (3.6 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 86 lb. (39 kg)
Mechanical Tilt: 0 - 30 degrees (optional)
Mounting (O.D.): 0.75 - 3.0 in. (19 - 76 mm)

Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: Aluminum and HDG steel

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

H-Plane



E-Plane

