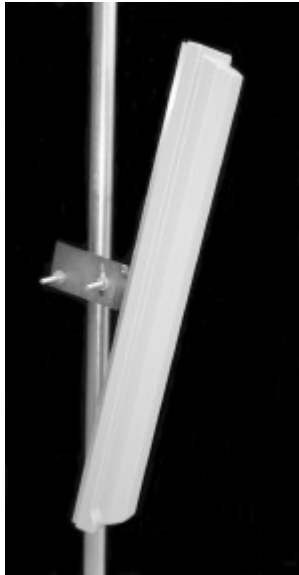


TA-2504-8-90 Sector

2500-2700 MHz



The TA-2504-8-90 is a medium-gain vertically polarized 90 degree sectoral antenna. The unit consists of a linear dipole array with fixed side panels to achieve azimuth beamwidth control. The radiating elements are protected by a weatherproof UV stabilized radome for long term operation under severe weather conditions. The elements are further placed at DC ground to aid in lightning protection and prevent static buildup.

Electrical Specifications

Frequency Range: 2500-2700 MHz
Gain: 15.5 +/- 0.5 dBi
VSWR: 1.5:1 max.
Front to Back Ratio: 25 dB min.
Polarization: Vertical
Power Rating: 200 Watts
H-Plane Beamwidth: 90 degrees
E-Plane Beamwidth: 7.5 degrees
Cross Pol. Discrimination: 30 dB typ., 28 dB min.
Impedance: 50 ohms nominal
Termination: N female

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

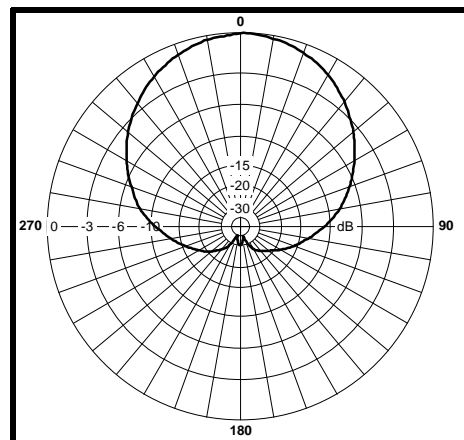
Mechanical Specifications

Length: 36.4 in. (925 mm)
Width: 5.5 in. (140 mm)
Depth: 3.5 in. (89 mm)
Weight (incl. Clamps): 9 lb. (4.1 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 89 lb. (40.4 kg)
Mechanical Tilt: 0 - 10 degrees
Mounting (O.D.): 0.75 - 3.0 in. (48 - 114 mm),
 4.5 in. Optional

Materials

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

H-Plane



E-Plane

