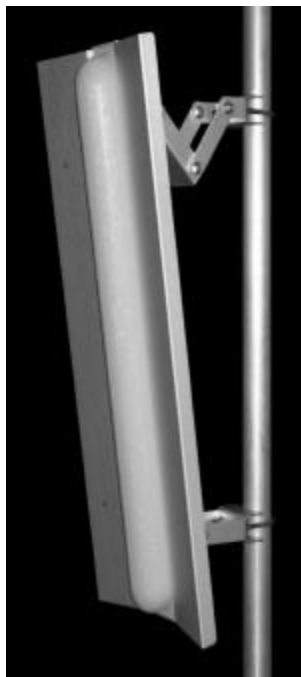




TA-3403-8-90 Sector

3400-3700 MHz



The TA-3403-8-90 is a vertically polarized 90 degree sectoral antenna designed to comply with the ETSI EN 302 085 V1.1.2 section 6.2 CS3 standard. The antenna consists of a printed dipole array enclosed in an aluminum base with a UV stabilized radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 3400-3700 MHz
Gain: 14 dBi
VSWR: 1.5:1
Front to Back Ratio: ETSI CS3
Polarization: Vertical
Power Rating: 25 Watts
H-Plane Beamwidth: 90 degrees
E-Plane Beamwidth: 9 degrees
Cross Pol. Discrimination: ETSI CS3
Impedance: 50 ohms nominal
Termination: N female

Typical mid band values. (For details , contact factory)

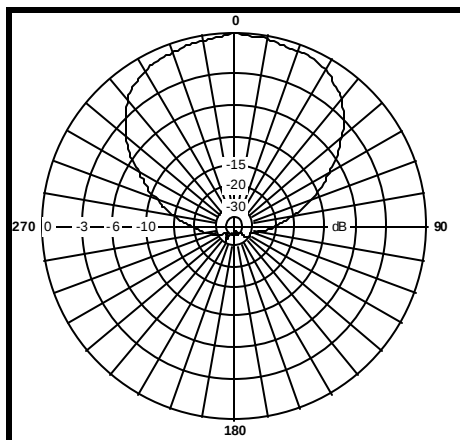
Mechanical Specifications

Length: 27.4 in. (695.9 mm)
Width: 13 in. (330.2 mm)
Depth: 2.3 in. (58.4 mm)
Weight (incl. Clamps): 5 lb. (2.27 kg)
Rated Wind Velocity: 125 mph (200 Km/h)
Hor. Thrust at rated wind: 152 lb. (68.9 kg)
Mechanical Tilt: 0+/-16 degrees
Mounting (O.D.): 0.75 - 2.0 in. (19 - 51 mm)

Materials

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

H-Plane



E-Plane

