TA-5404-8-90 Sector

5470-5875 MHz

The TA-5404-8-90 is a vertically polarized 90 degree sectoral antenna. 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: 5470-5875 MHz
Gain: 15.5 dBi typ.
VSWR: 1.5:1 max.
Front to Back Ratio: 25 dB min.
Polarization: Vertical
Power Rating: 40 Watts
H-Plane Beamwidth: 90 degrees
E-Plane Beamwidth: 7 degrees
Electrical Downtilt: 0º
Cross Pol. Discrimination: 15 dB min.
Impedance: 50 ohms nominal
Termination: N female

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

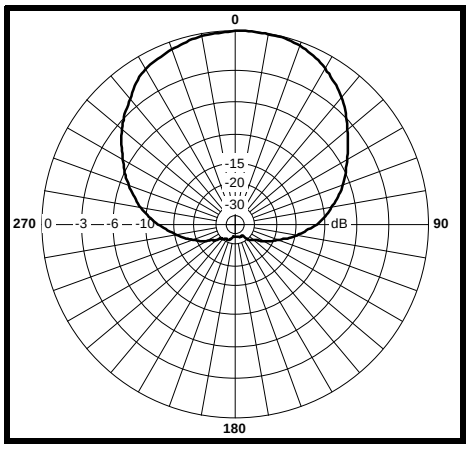
Mechanical Specifications

Length: 20.5 in. (521 mm)
Width: 4.9 in. (124 mm)
Depth: 3.2 in. (81 mm)
Weight (incl. Clamps): 5 lb. (2.27 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 37 lb. (16.8 kg)
Mechanical Tilt: 0 - 20 degrees
Mounting (O.D.): 0.75 - 3.0 in. (19 - 76 mm)

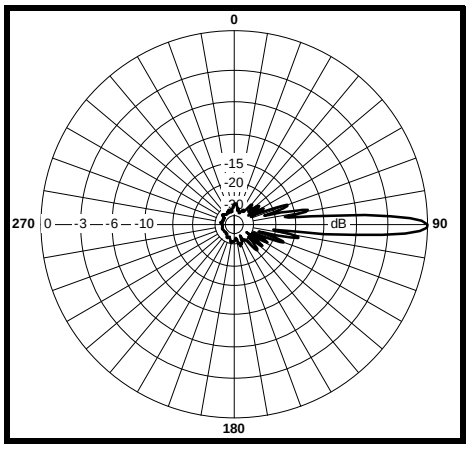
Materials

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

H-Plane



E-Plane



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