TA-3404-8-120 Sector

3300-3800 MHz

The TA-3404-8-120 is a vertically polarized 120 degree sectoral antenna. The antenna consists of a printed broadband dipole array enclosed in an aluminum cavity with a UV stabilized ASA radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 3300-3800 MHz
Gain: 14 dBi
VSWR: 1.5:1 @ 3.4-3.8 GHz, 2:1 @ 3.3-3.4 GHz
Front to Back Ratio: 20 dB min. 25 typical
Polarization: Vertical
Power Rating: 50 Watts
H-Plane Beamwidth: 120° typ., 130° @ 3800 Mhz
E-Plane Beamwidth: 6.7 degrees
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

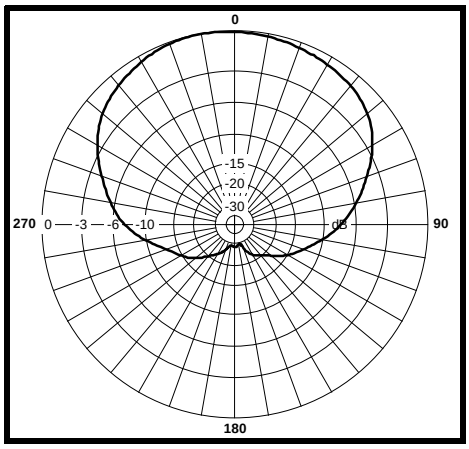
Mechanical Specifications

Length: 27.4 in. (696.7 mm)
Width: 3.25 in. (83 mm)
Depth: 3 in. (76 mm)
Weight (incl. Clamps): 5 lb. (2.3 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 26 lb. (11.8 kg)
Mechanical Tilt: 0 - 20 degrees
Mounting (O.D.): 0.75 - 3.0 in. (19 - 76 mm)

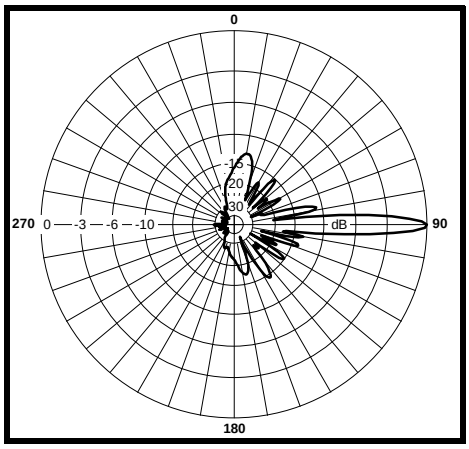
Materials

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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