

TA-3404-8-180 Sector

3400-3700 MHz



The TA-3404-8-180 is a vertically polarized 180 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 for lightning protection.

Electrical Specifications

Frequency Range: 3400-3700 MHz
Gain: 12.5 dBi
VSWR: 1.5:1 max.
Front to Back Ratio: 20 dBi min, 25 dBi typical
Polarization: Vertical
Power Rating: 50 Watts
H-Plane Beamwidth: 180 degrees
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

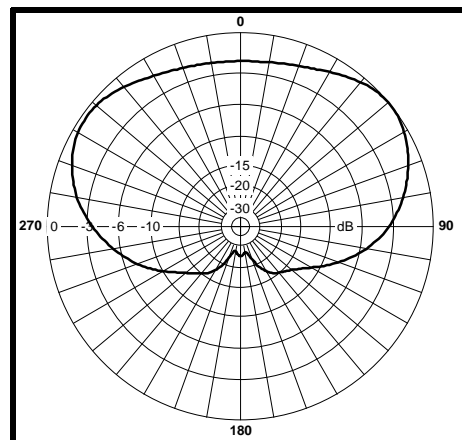
Mechanical Specifications

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

