

TA-1881-4-120 Sector

1880-1930 MHz



The TA-1881-4-120 is a vertically polarized 120 degree sectoral antenna designed for DECT and PCS applications requiring medium gain and a relatively broad vertical radiation pattern. The printed circuit radiating assembly and transmission lines are enclosed in an aluminum cavity with a UV stabilized radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 1880-1930 MHz
Gain: 10.5 dBi
VSWR: 1.5:1 max.
Polarization: Vertical
Power Rating: 10 Watts
H-Plane Beamwidth: 120 degrees
E-Plane Beamwidth: 18 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

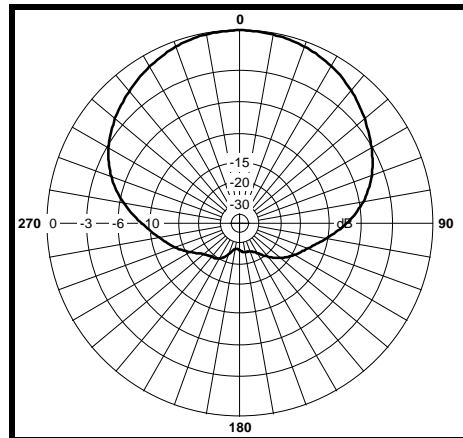
Mechanical Specifications

Length: 20.2 in. (513 mm)
Width: 4 in. (102 mm)
Depth: 3.6 in. (92 mm)
Weight (incl. Clamps): 3 lb. (1.4 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 35 lb. (15.9 kg)
Mechanical Tilt: 0 - 15 degrees
Mounting (O.D.): 1.0 - 3.5 in. (25.4 - 89 mm)

Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridated aluminum
Radome: Gray UV stabilized ASA
Clamps: Aluminum and HDG steel

H-Plane



E-Plane

