

## 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

#### Mechanical Specifications

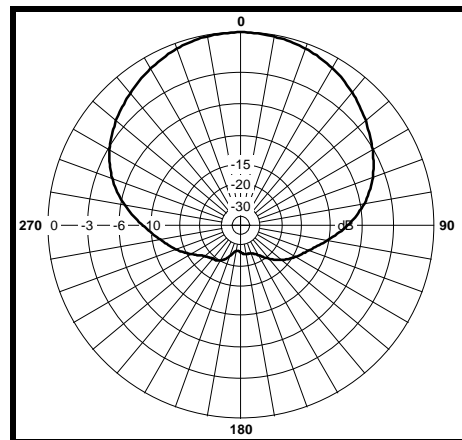
**Length:** 20.2 in. (513 mm)  
**Width:** 4 in. (102 mm)  
**Depth:** 3.6 in. (92 mm)  
**Weight (incl. Clamps):** 3 lb. (1.4 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 35 lb. (15.9 kg)  
**Mechanical Tilt:** 0 - 15 degrees  
**Mounting (O.D.):** 1.0 - 3.5 in.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

#### Materials

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

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

H-Plane



E-Plane

