

## TA-1882-2-85 Sector

### 1880-1930 MHz



The TA-1882-2-85 is a vertically polarized 85 degree sectoral antenna, designed for DECT and PCS applications requiring lower 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.  
**Front to Back Ratio:** 20 dB  
**Polarization:** Vertical  
**Power Rating:** 200 Watts  
**H-Plane Beamwidth:** 85 degrees  
**E-Plane Beamwidth:** 25 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

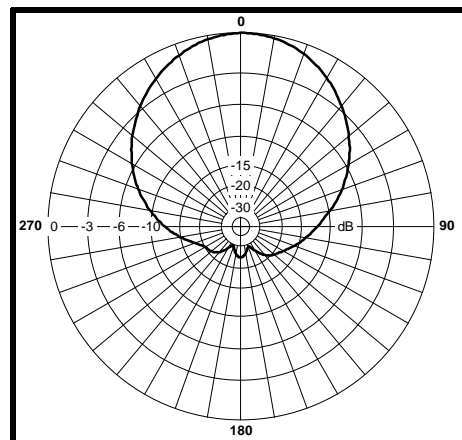
#### Mechanical Specifications

**Length:** 11.8 in. (300 mm)  
**Width:** 4.2 in. (102 mm)  
**Depth:** 3.6 in. (92 mm)  
**Weight (incl. Clamps):** 2 lb. (0.9 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 18 lb. (8.2 kg)  
**Mechanical Tilt:** 0 - 30 degrees  
**Mounting (O.D.):** 0.75 - 2.0 in. (19 - 51 mm)

#### Materials

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

H-Plane



E-Plane

