

## TA-5406 Panel

### 5470-5725 MHz



The TA-5406 is a vertically or horizontally polarized directional panel antenna. The antenna complies with ETSI EN 302 085 V1.1.2 Section 6.1 TS3 standard. The antenna consists of a printed broadband dipole array enclosed in an aluminum base with a UV stabilized ASA radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

#### Electrical Specifications

**Frequency Range:** 5470-5725 MHz  
**Gain:** 23.5 +/- 0.5 dBi  
**VSWR:** 1.65:1 max.  
**Front to Back Ratio:** 30 dB min.  
**Polarization:** Vertical or Horizontal  
**Power Rating:** 10 Watts  
**H-Plane Beamwidth:** 9.5 degrees  
**E-Plane Beamwidth:** 9 degrees  
**Cross Pol. Discrimination:** 20 dB min.  
**Impedance:** 50 ohms nominal  
**Termination:** N female

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

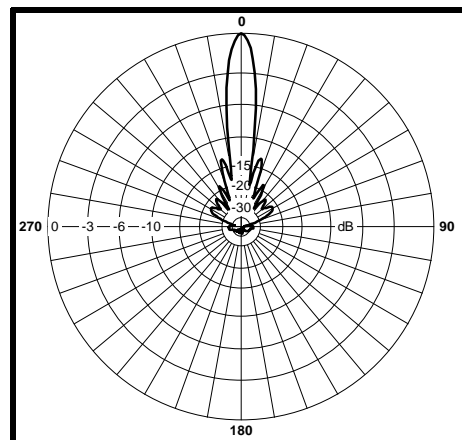
#### Mechanical Specifications

**Length:** 12 in. (304.8 mm)  
**Width:** 12 in. (304.8 mm)  
**Depth:** 1.5 in. (38.1 mm)  
**Weight (incl. Clamps):** 5 lb. (2.27 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 63 lb. (28.6 kg)  
**Mechanical Tilt:** 0+/-15 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 stainless steel

H-Plane



E-Plane

