

## TA-3407 Panel 3400-4200 MHz



The TA-3407 is a vertically or horizontally polarized panel antenna. The TA-3407 consists of a printed broadband dipole array enclosed in an aluminum flat base and a molded plastic radome. The antenna was designed for operation under severe weather conditions and is at DC ground to aid in lightning protection.

### Electrical Specifications

**Frequency Range:** 3400-4200 MHz  
**Gain:** 18.0 dBi  
**VSWR:** 2:1 max.  
**Front to Back Ratio:** 25 dB min.  
**Polarization:** Vertical or Horizontal  
**Power Rating:** 25 Watts  
**H-Plane Beamwidth:** 18 degrees  
**E-Plane Beamwidth:** 18 degrees  
**Cross Pol. Discrimination:** 25 dB min.  
**Impedance:** 50 ohms nominal  
**Termination:** N female

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

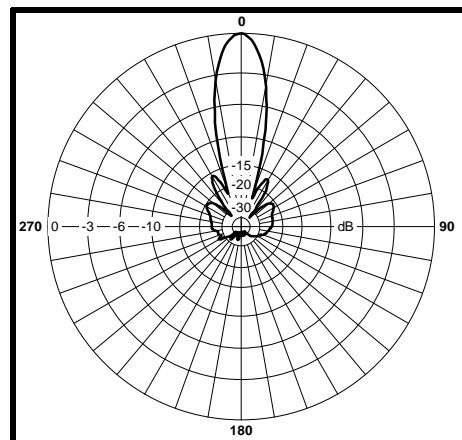
### Mechanical Specifications

**Length:** 10.1 in. (256.5 mm)  
**Width:** 10.1 in. (256.5 mm)  
**Depth:** 2.2 in. (55.9 mm)  
**Weight (incl. Clamps):** 4 lb. (1.8 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 44 lb. (20 kg)  
**Mechanical Tilt:** 0+/-10 degrees  
**Mounting (O.D.):** 0.75 - 3.0 in. (19 - 76 mm)

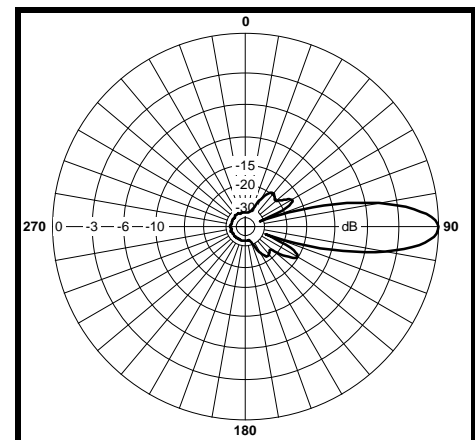
### Materials

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

H-Plane



E-Plane





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Rev. 1.0

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