

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

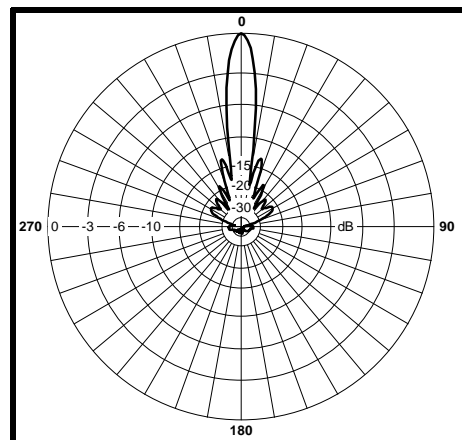
Mechanical Specifications

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 - 20 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: Aluminum and stainless steel

H-Plane



E-Plane

