

TA-2107 Panel

2150-2350 MHz



The TA-2107 is a vertically or horizontally polarized panel antenna, designed specifically for applications requiring superior functionality to maximize overall system performance. The antenna consists of a printed dipole array enclosed in an aluminum base with a UV stabilized radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2150-2350 MHz
Gain: 17 dBi min.
VSWR: 1.5:1 max.
Front to Back Ratio: 30 dB min.
Polarization: Vertical or Horizontal
Power Rating: 25 Watts
H-Plane Beamwidth: 20° +/- 2°
E-Plane Beamwidth: 20° +/- 2°
Cross Pol. Discrimination:
 30 dB (+/-34° to +/-45°)
 35 dB (+/-45° to +/-180°)
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

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

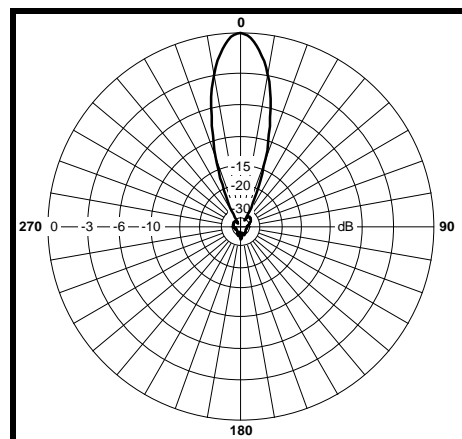
Mechanical Specifications

Side Length: 18 in. (457 mm)
Diagonal Length: 25.25 in. (641 mm)
Width: 18 in. (457 mm)
Depth: 5.1 in. (130 mm)
Weight (incl. Clamps): 13 lb. (5.9 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 83 lb. (37.6 kg)
Mechanical Tilt: 0 - 10 degrees
Mounting (O.D.): 1.0 - 3.5 in. (25.4 - 89 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

