

TA-2105H-10-45 Sector

2150-2350 / 2500-2700 MHz



The TA-2105H-10-45 is a horizontally polarized 45 degree sectoral antenna. It was 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 / 2500-2700 MHz
Gain: 17 dBi min.
VSWR: 1.5:1 max.
Front to Back Ratio: 30 dB (-67° to +67°)
Polarization: Horizontal
Power Rating: 25 Watts
H-Plane Beamwidth: 11° +/- 1.5°
E-Plane Beamwidth: 40° +/- 5°
Cross Pol. Discrimination: 20 dB min.
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

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

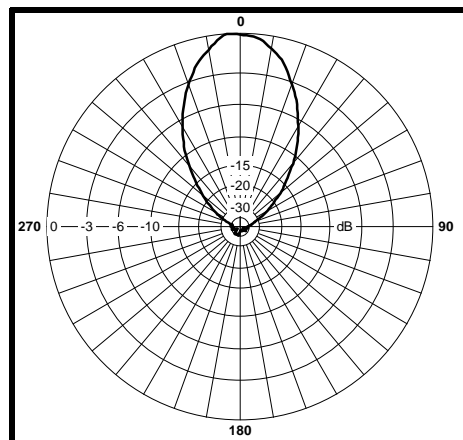
Mechanical Specifications

Length: 38.5 in. (978 mm)
Width: 18 in. (457 mm)
Depth: 3 in. (76 mm)
Weight (incl. Clamps): 22 lb. (10 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 300 lb. (136 kg)
Mechanical Tilt: 0 - 15 degrees
Mounting (O.D.): 1.0 - 3.5 in. (25.4 - 89 mm)

Materials

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

E-Plane



H-Plane

