

TA-2105H-16-90 Sector

2150-2350 or 2500-2700 MHz



The TA-2105H-16-90 is a broadband horizontally polarized 90 degree sectoral antenna. It was designed specifically for applications requiring superior functionality to maximize overall system performance. Radiating elements are protected by a weatherproof radome for operation under severe weather conditions and are at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 2150-2350 or 2500-2700 MHz
Gain: 17.5 +/- 1 dBi
VSWR: 1.5:1 max.
Front to Back Ratio: 30 dB min.
Polarization: Horizontal
Power Rating: 200 Watts
H-Plane Beamwidth: 5° min.
E-Plane Beamwidth: 85° min.
Electrical Downtilt: 0.5° +/- 0.5°
Cross Pol. Discrimination: 20 dB (0° - 90°)
 28 dB (90° - 135°)
 32 dB (135°-180°)
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

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

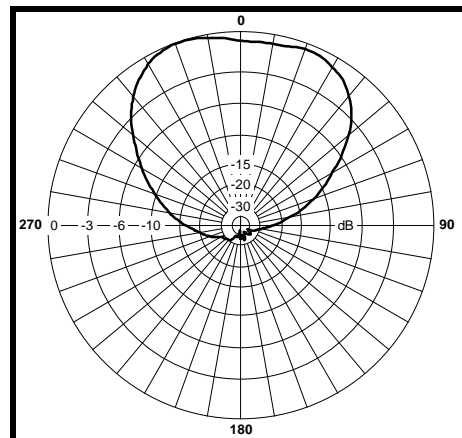
Mechanical Specifications

Length: 64 in. (1626 mm)
Width: 17 in. (432 mm)
Depth: 5 in. (127 mm)
Weight (incl. Clamps): 28 lb. (12.7 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 316 lb. (143 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 plastic
Clamps: Aluminum and HDG steel

E-Plane



H-Plane

