



TA-5205H-8-120 Sector

5250-5875 MHz



The TA-5205H-8-120 is a horizontally polarized 120 degree sectoral antenna. 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: 5250-5875 MHz
Gain dBi: 11.5 @5.25GHz 13.7@5.5GHz 13.0@5.87GHz
VSWR: 1.5:1 max.
Front to Back Ratio: 15 dB min.
Polarization: Horizontal
Power Rating: 40 Watts
H-Plane Beamwidth: 120 degrees
E-Plane Beamwidth: 7 degrees
Electrical Downtilt: 0°
Cross Pol. Discrimination: 15 dB min. (main lobes)
Impedance: 50 ohms nominal
Termination: N female

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

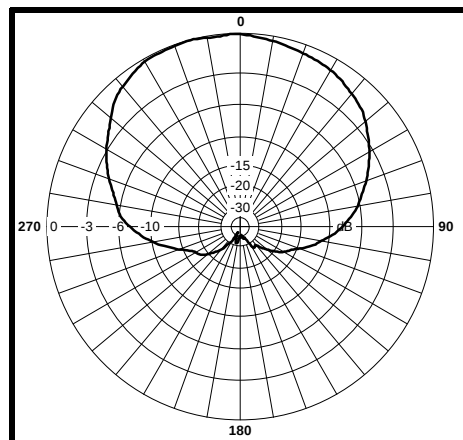
Mechanical Specifications

Length: 17 in. (432 mm)
Width: 3.5 in. (89 mm)
Depth: 3.0 in. (76 mm)
Weight (incl. Clamps): 3 lb. (1.4 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 26 lb. (11.75 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: EDZ and HDG steel

H-Plane (Typical)



E-Plane (Typical)

