



Advanced Product Information

TA-3307-65 Dual Polarized Sector

The TA-3307-65 is a dual slant polarized 65 degree sectoral antenna. The antenna is intended for use where multiple antennas may not be practical. It consists of a broadband patch array on 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: 3400-3800 Mhz

Gain: 17.5 dBi

VSWR: 1.33:1 max.

Polarization: Dual slant +45 and -45

Power: 250 Watts

H-Plane Beamwidth: 65 Degrees

E-Plane Beamwidth: 5.5 degrees

Front to Back Ratio: 25 dB min.

Cross Pol. Discrimination: 15 dB min.

Electrical Beamtilt: 0°

Null Fill: TBD

Port to Port Isolation: 30 dB

3rd Order I.M.(2x20W):

Axial Ratio:

Impedance: 50 ohms nominal

Termination: 7/16 DIN female

Mechanical Specifications

Length: 36.4 in. (925 mm)

Diameter:

Width: 5.5 in. (140 mm)

Depth: 3.5 in. (89 mm)

Weight: 10 lb. (4.5 kg)

Rated Wind Velocity: 125 mph (200 km/h)

Horizontal Thrust at rated wind: 89 lb. (40.4 kg)
with radome:

Mechanical Tilt: 0 - 15 degrees

Mounting Pipe: 1.90 - 4.5 in. (48 - 114 mm)

Pig-Tail Length:

Material Specifications

Radiating Elements: Plated copper on PCB

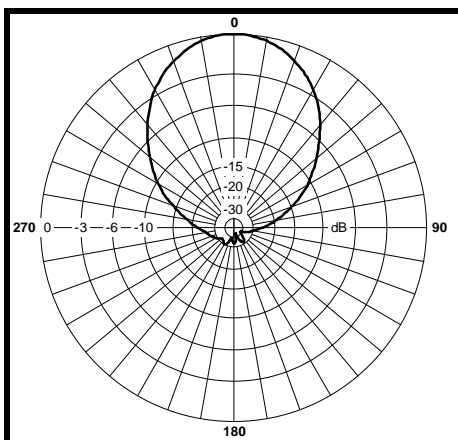
Reflector: Irridited aluminum

Radome: Gray UV stabilized ASA

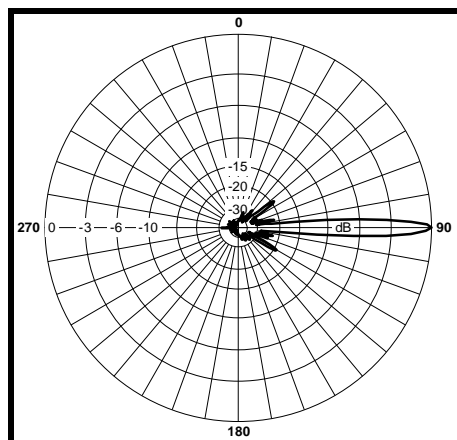
Mounting Hardware: Aluminum, EDZ and HDG Steel

Radiation Patterns/Masks

H-Plane



E-Plane



Rev. 0.0

Specifications subject to change without notice

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