



Advanced Product Information

TA-3307-65ET Dual Polarized Sector

The TA-3307-65ET is a medium-gain dual slant polarized 65 degree sectoral antenna with manually adjustable electrical downtilt. The unit consists of a linear patch array along with an integrated phase shifter to provide electrical tilt adjustment in the field. The Radiating elements are protected by a weatherproof UV stabilized radome for long term operation under severe weather conditions. The elements are further placed at DC ground to aid in lightning protection and prevent static buildup.

Electrical Specifications

Frequency Range: 3400-3800 Mhz

Gain: 16 dBi

VSWR: 1.5:1 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°-8° adjustable

Null Fill: TBD

Port to Port Isolation: TBD

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: TBD

Weight: 12 lb. (5.4 kg) including clamps

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

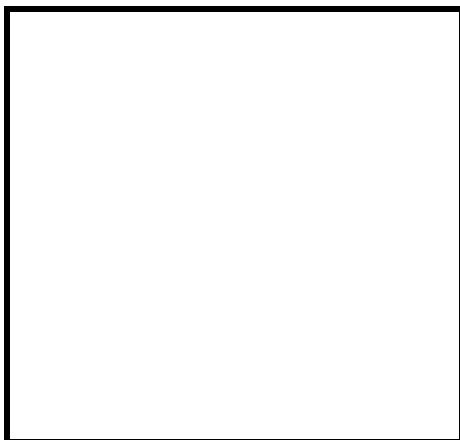
Reflector: Irridited aluminum

Radome: Gray UV stabilized ASA

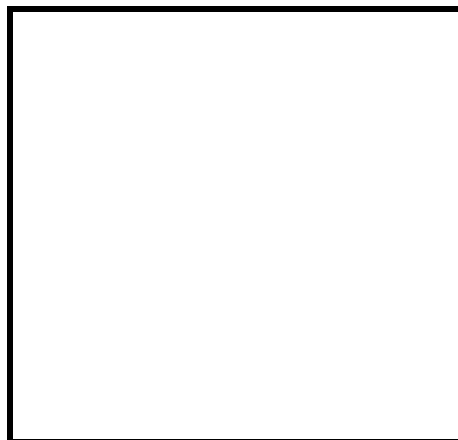
Mounting Hardware: Aluminum, EDZ and HDG Steel

Radiation Patterns/Masks

H-Plane



E-Plane



Rev. 0.0

Specifications subject to change without notice

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