TA-926VH-8-120 Dual Polarized Sector

902-928 MHz

The TA-926VH-8-120 is a dual polarized 120 degree sectoral antenna. The antenna incorporates separate vertically and horizontally polarized sections which can be used separately or simultaneously dependent upon transceiver characteristics. It consists of a broadband dipole 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: 902-928 MHz
Gain: 2 x 11 dBd co-polarized
VSWR: 1.5:1 max.
Front to Back Ratio: Vpol:20 dB min./Hpol: 16.5 dB min.
Polarization: Dual Vpol & Hpol
Power Rating: 200 Watts
Azimuth Beamwidth: Vpol: 120° / Hpol: 115°
Elevation Beamwidth: Vpol: 10° / Hpol: 11°
Cross Pol. Discrimination: 20 dB
Electrical Downtilt: 0°
Port to Port Isolation: 30 dB
Impedance: 50 ohms nominal
Termination: 2 x N female

Typical mid band values. (For details , contact factory)

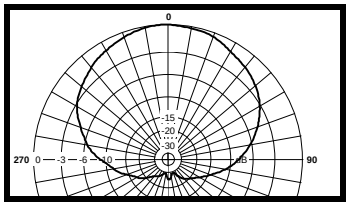
Mechanical Specifications

Length: 76 in. (1930 mm)
Width: 19.6 in. (498 mm)
Depth: 8 in. (203 mm)
Weight (incl. Clamps): 50 lb. (22.7 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 645 lb. (292.5 kg)
Mechanical Tilt: 0 - 7.5 degrees
Mounting (O.D.): 1.75 - 4.5 in. (44.5 - 102 mm)

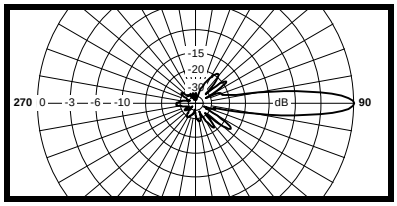
Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: EDZ steel

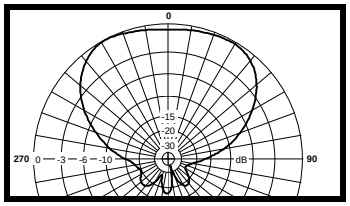
Vpol Azimuth



Vpol Elevation



Hpol Azimuth



Hpol Elevation