

TA-824-4-90 Dual Polarized Sector

824-896 MHz



The TA-824-4-90 is a dual slant polarized 90 degree sectoral antenna. The antenna is intended for use where multiple antennas may not be practical. 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: 824-896 MHz
Gain: 2 x 10.5 +/- 0.5 dBd co-polarized
VSWR: 1.5:1 max.
Front to Back Ratio: 25 dB min.
Polarization: Dual slant +45 and -45
Power Rating: 500 Watts
H-Plane Beamwidth: 90 degrees
E-Plane Beamwidth: 18 degrees
Electrical Downtilt: 0°, 4°, 6°
Port to Port Isolation: 25 dB
Impedance: 50 ohms nominal
Termination: 2 x N female (7/16 optional)

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

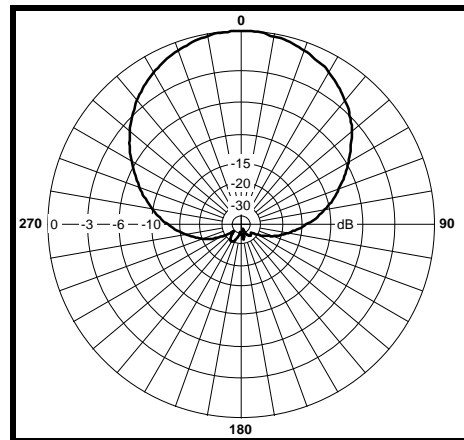
Mechanical Specifications

Length: 48 in. (1220 mm)
Width: 13.5 in. (343 mm)
Depth: 8 in. (203 mm)
Weight (incl. Clamps): 29 lb. (13.2 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 274 lb. (124.2 kg)
Mechanical Tilt: 0 - 15 degrees
Mounting (O.D.): 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

Radiating Elements: Irridited aluminum
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

Azimuth



Elevation

