

TA-824-4-45 Dual Polarized Sector

806-866, 824-896, 872-960 MHz



The TA-824-4-45 is a dual slant polarized 45 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: 806-866, 824-896, 872-960 MHz
Gain: 2 x 14 dBd co-polarized
VSWR: 1.5:1 max.
Front to Back Ratio: 30 dB min.
Polarization: Dual slant +45 and -45
Power Rating: 500 Watts
H-Plane Beamwidth: 45 degrees
E-Plane Beamwidth: 19 degrees
Electrical Downtilt: 0°, 4°, 6°, 8°, 9°, 12°, 15°, 18°
Port to Port Isolation: 30 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

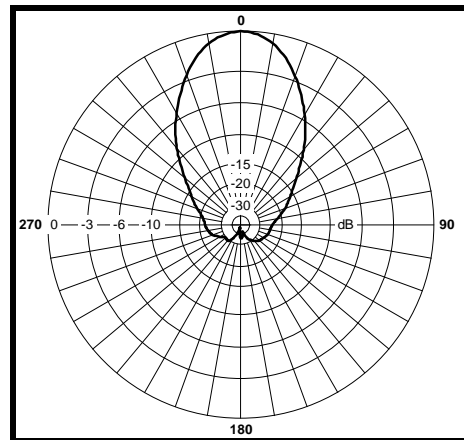
Mechanical Specifications

Length: 48 in. (1220 mm)
Width: 19.25 in. (489 mm)
Depth: 8 in. (203 mm)
Weight (incl. Clamps): 36 lb. (16.4 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 401 lb. (182 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

