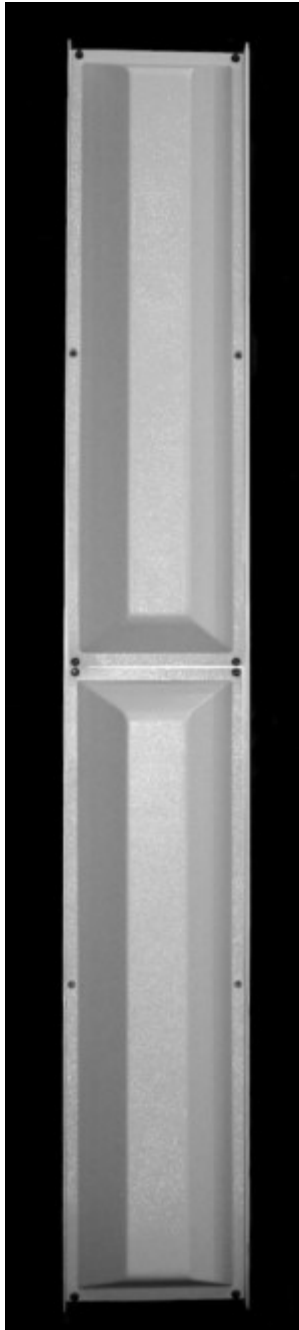


TA-824-8-65 Dual Polarized Sector

872-960 MHz



The TA-824-8-65 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 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: 872-960 MHz
Gain: 2 x 17dBi 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: 58 degrees
E-Plane Beamwidth: 8.5 degrees
Electrical Downtilt: 0°, 6°
Port to Port Isolation: 25 dB min.
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

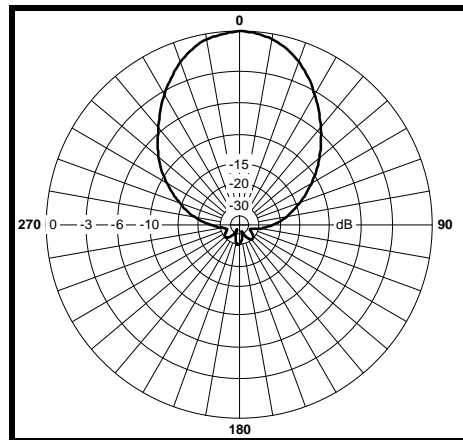
Mechanical Specifications

Length: 96 in. (2438 mm)
Width: 13 in. (330 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: 538 lb. (244 kg)
Mechanical Tilt: 0 - 10 degrees
Mounting (O.D.): 1.75 - 4.5 in. (44.5 - 114 mm)

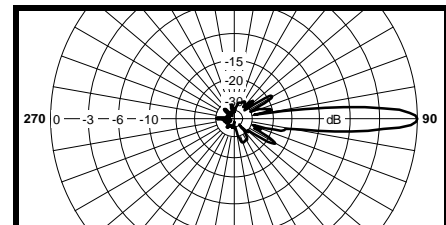
Materials

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

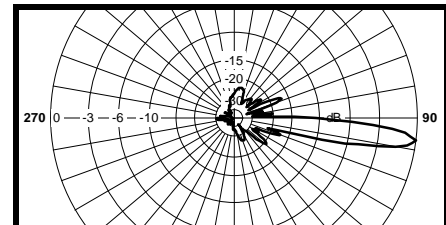
H-Plane



E-Plane



T0



T6