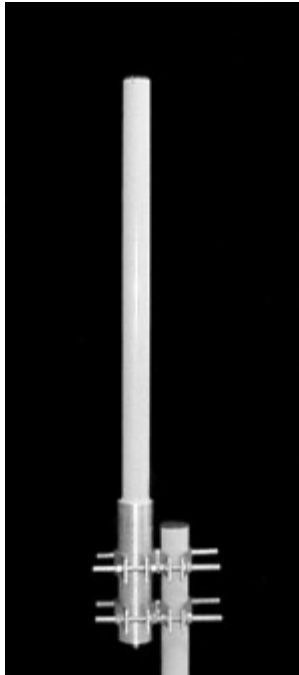


TA-853 Dual Band Omnidirectional 824 - 896 / 1850 - 1990 MHz



The TA-853 is a vertically polarized 2.5 dBd / 7.5 dBi dual band omnidirectional antenna. The antenna consists of two dipole arrays and a cross band coupler enclosed in a UV stabilized fiberglass radome. The antenna is designed for severe weather conditions and is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 824 - 896 / 1850 - 1990 MHz
Gain: 2.5 dBd (824-896 MHz)
 7.5 dBi (1850-1990 MHz)
VSWR: 1.5:1 max.
Polarization: Vertical
Power Rating: 65 Watts
H-Plane Beamwidth: 360 degrees
E-Plane Beamwidth: 35 degrees (824-896 MHz)
 16 degrees (1850-1990 MHz)
Cross Pol. Discrimination: 15 dB min.
Impedance: 50 ohms nominal
Termination: N female

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

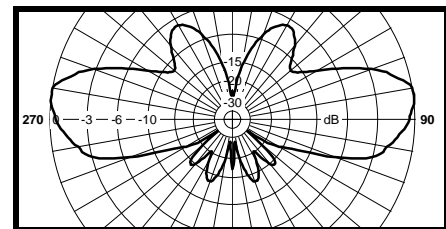
Mechanical Specifications

Length:
Radiating Section: 42 in. (1067 mm)
Base Section: 12 in. (305 mm)
Total: 54 in. (1372 mm)
Diameter: 2.25 in. (57 mm)
Weight (Incl. Clamps): 17 lb. (7.7 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 35 lb. (16 kg)
Mounting (O.D.): 1.75 - 4.0 in. (44.5 - 102 mm)

Materials

Radiating Elements: Copper
Radome: Gray UV stabilized fiberglass
Clamps: EDZ steel

E-Plane 824-896 MHz



1850-1990 MHz

