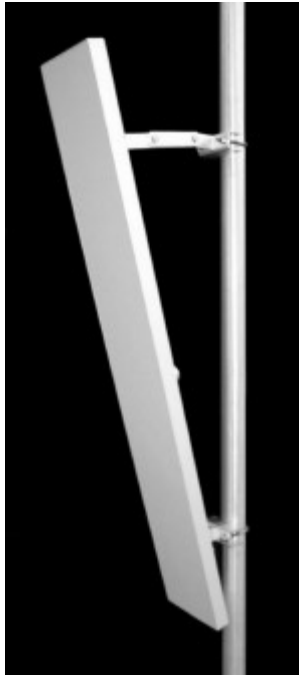


TA-1807-8-60 Dual Polarized Sector 1850-1990 MHz



The TA-1807-8-60 is a dual slant polarized 60 degree sectoral antenna. The antenna is intended for use where multiple antennas may not be practical. It consists of a broadband patch 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: 1850-1990 MHz
Gain: 17 dBi
VSWR: 1.5:1 max.
Front to Back Ratio: 25 dB
Polarization: +/- 45 degrees (slant)
Power Rating: 250 Watts
Azimuth Beamwidth: 60 degrees
Elevation Beamwidth: 7.5 degrees
Cross Pol. Discrimination: 15 dB min.
Electrical Downtilt: 0, 2, 5 degrees
Port to Port Isolation: 30 dB min.
3rd Order I.M. (2x20W): -147 dBc
Impedance: 50 ohms nominal
Termination: 7/16 DIN female

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

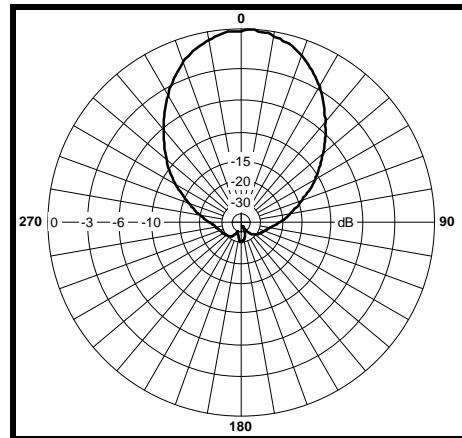
Mechanical Specifications

Length: 43 in. (1092 mm)
Width: 6 in. (152.4 mm)
Depth: 1.85 in. (46.9 mm)
Weight (incl. Clamps): 10 lb. (4.5 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 117 lb (53.1 kg)
Mechanical Tilt: 0 - 15 degrees
Mounting (O.D.): 1.90 - 4.5 in. (48 - 114 mm)

Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridated aluminum
Radome: Gray UV stabilized ASA
Clamps: Aluminum and steel

Azimuth



Elevation

