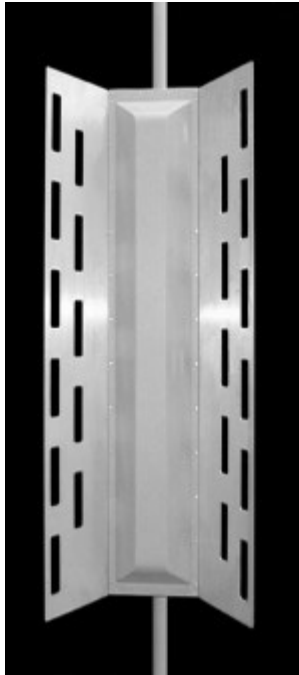


TA-803-33 Sector

806-896, 824-896, 890-960 MHz



The TA-803-33 sector is a fixed pattern version of the TA-803 adjustable sector. It is enclosed in an aluminum base and has an ASA UV stabilized radome for superior performance. Extremely low side lobes and up to 15 degrees of mechanical downtilt make this antenna very useful for narrow coverage applications such as CDMA systems where interference between sites can be a particular problem.

Electrical Specifications

Frequency Range: 806-896, 824-896, 890-960 MHz
Gain: 15 dBd
VSWR: 1.5:1 max. 1.35:1 typical
Front to Back Ratio: 30 dB min.
Polarization: Vertical
Power Rating: 500 Watts
H-Plane Beamwidth: 33 degrees
E-Plane Beamwidth: 18 degrees
Electrical Downtilt: 0°, 4°, 6°, 8°, 10°, 18°
Cross Pol. Discrimination: 20 dB min.
Impedance: 50 ohms nominal
Termination: N female (7/16 optional)

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

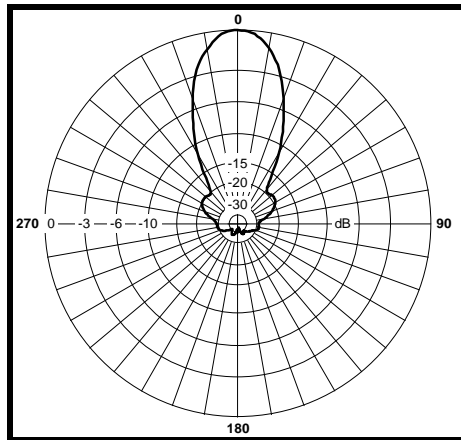
Mechanical Specifications

Length: 48 in. (1220 mm)
Width: 29.6 in. (751.8 mm)
Depth: 12 in. (305 mm)
Weight (incl. Clamps): 43 lb. (19.5 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 580 lb. (263 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

H-Plane



E-Plane

