

TA-711 Adjustable Sector

698-806 MHz



The TA-711 is a high gain field adjustable sector for use in the 698-806 MHz licensed band. The patented adjustable side panel design allows the user to choose a 65, 90, or 120 degree azimuth pattern to easily optimize sectoral coverage, while the excellent front to back ratio and side lobe reduction minimizes possible inter-sector interference. The extremely robust design and versatility ensure superior performance and weatherability.

Electrical Specifications

Frequency Range: 698-806 MHz
Gain: 13.75 dBd @ 65°, 12.75 dBd @ 90°
 12.25 dBd @ 120°
VSWR: 1.5:1
Front to Back Ratio: 25dB @ 65° & 90°
 20dB @ 120°
Polarization: Vertical
Power Rating: 250 Watts
H-Plane Beamwidth: 65, 90, 120 degrees
E-Plane Beamwidth: 10 degrees
Cross Pol. Discrimination: 25 dB typical
Impedance: 50 ohms nominal
Termination: N female

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

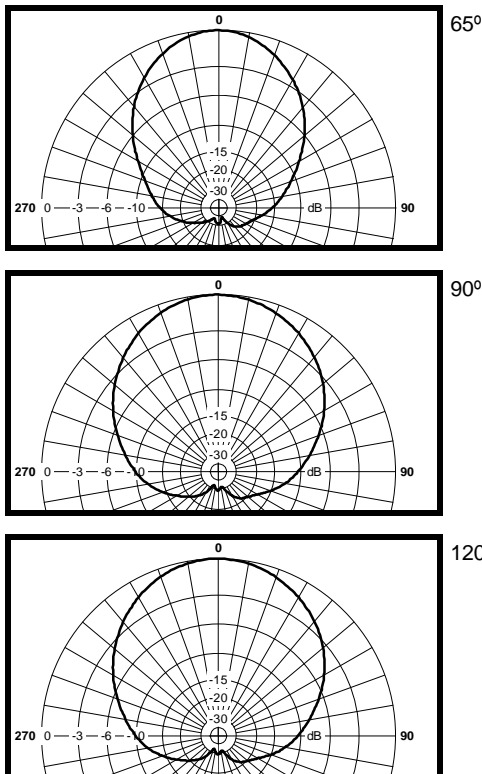
Mechanical Specifications

Length: 96 in. (2438 mm)
Width: 13 in. (330 mm)
Depth: 8.0 in. (203 mm)
Weight (incl. Clamps): 62 lb. (28 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 538 lb. (244 kg)
Mechanical Tilt: 0 - 6 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 steel

H-Plane



E-Plane

