

Details

698 - 806 MHz

The TA-703 is a medium gain field adjustable sector for use in the 698-806 MHz licensed band. The patented side panel design allows the user to choose a 65, 90, or 110 degree azimuth pattern to optimize coverage. The excellent front to back ratio and side lobe reduction minimizes inter-sector interference. The robust design and versatility ensure superior performance and weatherability.

Electrical Specifications

Freq Range:	698 - 806 MHz
Gain:	13 dBi @ 65°, 12 dBi @ 90°, 11 dBi @ 110°
VSWR:	1.5:1 max.
Front Back:	22dB @ 65°, 20dB @ 90°, 18dB @ 110°
Pol:	Vertical
Power:	250 Watts
H Plane BW:	65, 90, 110 degrees
E Plane BW:	21 degrees
X Pol:	20 dB typical
Imp:	50 ohms nominal
Termination:	N female (7/16 DIN optional)

Mechanical Specifications

Length:	48 in. (1220 mm)
Width:	13.25 in. (337 mm)
Depth:	7.5 in. (190.5 mm)
Weight:	33 lb. (15 kg)
Rated wind vel:	125 mph (200 km/h)
Hor Thrust:	271 lb. (123 kg)
Mech tilt:	0 - 15 degrees
Mounting Pipe:	1.75 - 4.0 in. (44.5 - 102 mm)

Material Specifications

Radiating Elements:	Irridited aluminum
Reflector:	Irridited aluminum
Radome:	Gray UV stabilized ASA / ABS
Clamps:	HDG steel



Antenna Patterns

