

Details

806-896 MHz

The TS-80F-8-ADJV adjustable sector is a high gain broadband dipole array enclosed in an aluminum base and has an ASA UV stabilized radome for superior performance and weatherability. Extremely low side lobes, an adjustable azimuth pattern and up to 6 degrees of mechanical downtilt make this a remarkably versatile antenna. This antenna is constructed to meet the PIM requirements of modern networks. The TS-80F-8-ADJV is constructed to the same footprint of our older TA-811 models to make field swap out ease.

Electrical Specifications

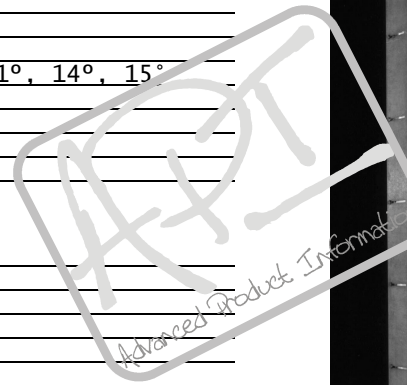
Freq Range:	806-896 MHz
Gain:	15.5 dBd @ 60°, 14 dBd @ 90°
Gain Multiple:	13.75 dBd @ 105°, 13.5 dBd @ 120°
VSWR:	1.5:1 max. 1.35:1 typ.
Front Back:	25 dB min. 30 dB typ.
Pol:	vertical
Power:	500 Watts
H Plane BW:	60, 90, 105, 120 degrees
E Plane BW:	8.5 degrees
Electrical Downtilt:	0°, 2°, 4°, 5°, 6°, 8°, 10°, 11°, 14°, 15°
X Pol:	20 dB min.
3rd Order IM 2 20w:	-150 dBc
Imp:	50 ohms nominal
Termination:	7/16 DIN Female

Mechanical Specifications

Length:	96 in. (2438 mm)
width:	13 in. (330 mm)
Depth:	8.0 in. (203 mm)
weight:	68 lb. (31 kg)
Rated wind vel:	125 mph (200 km/h)
Hor Thrust:	538 lb. (244 kg)
Mech tilt:	0 - 6 degrees
Mounting Pipe:	2.0 - 4.5 in. (51- 114 mm)

Material Specifications

Radiating Elements:	Tin Plated PCB
Reflector:	Irridited aluminum
Radome:	Gray UV stabilized ASA
Clamps:	HDG steel



Antenna Patterns

