



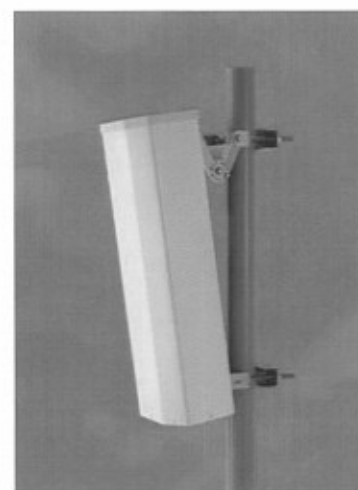
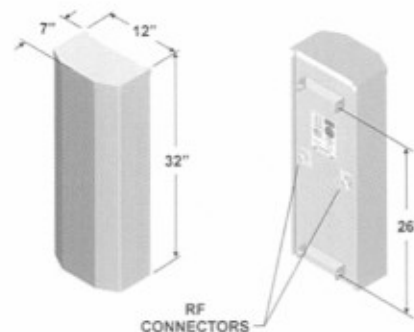
FR90-09-XXXA2

DualPol® Polarization
806 MHz - 896 MHz

OptiFill™

Electrical Specifications

Azimuth Beamwidth	90°
Elevation Beamwidth	26°
Gain	9.5 dBd (11.6 dBi)
Polarization	Dual Linear, Slant ($\pm 45^\circ$)
Port-to-Port Isolation	≥ 20 dB
Front-to-Back Ratio	≥ 24 dB
Electrical Downtilt Options	0°, 5°, 10°
VSWR	1.35:1 Max
Connectors	2; Type N or 7-16 DIN (female)
Power Handling	500 Watts CW
Passive Intermodulation	≤ -150 dBc [2 x 20W (+ 43 dBm)]
Lightning Protection	Chassis Ground



Mechanical Specifications

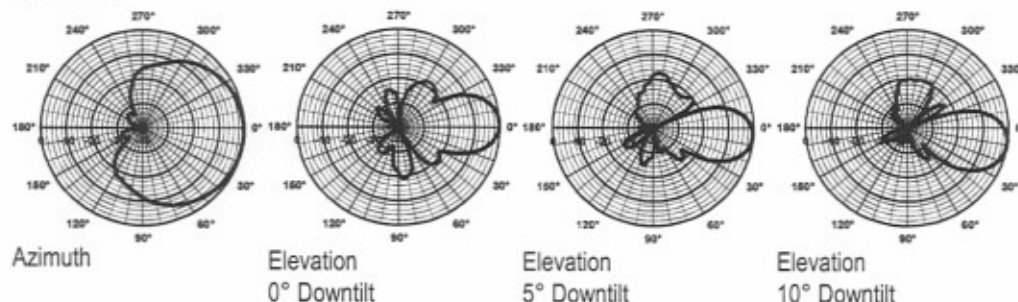
Dimensions (L x W x D)	32 in x 12 in x 7 in (81.3 cm x 30.5 cm x 17.8 cm)
Rated Wind Velocity	130 mph (209 kph)
Equivalent Flat Plate Area	2.7 ft ² (.25 m ²)
Front Wind Load @ 100 mph (161 kph)	77 lbs (341 N)
Side Wind Load @ 100 mph (161 kph)	45 lbs (199 N)
Weight	17 lbs (7.7 kg)

Mounting Options

MTG-P00-10, MTG-S02-10, MTG-DXX-20*, MTG-CXX-10*, MTG-C02-10, MTG-TXX-10*

Note: *Model number shown represents a series of products. See Mounting Options section for specific model number.

Patterns



Note: All weights include mounting brackets.

Revised 09/01/02

EMS' antennas are protected by one or more of the following U.S. patents: 5,844,529; 6,067,053; 6,462,710; 6,392,600; 6,069,590; 5,966,102; 5,757,246. EMS' antenna designs may also be covered by pending U.S. patent applications and by pending & awarded international patents.