

- One-Piece Seamless Radome
- Three Color Choices Or Custom Match
- 5 Year Guarantee
- Electrical Or Mechanical Downtilt
- Custom Pattern Design For Difficult Areas



ELECTRICAL SPECIFICATIONS

Frequency Range	2400 to 2500 Mhz
Maximum Power Input	250 Watts Continuous
Electrical Downtilt	0 to 8 Degrees
Polarization	Vertical
Impedance	50 Ohms
Intermodulation	Less than -153 dBc for 2x20 watt carrier

DETAILED ELECTRICAL SPECIFICATIONS

Model Number	Gain, dBi	Typical VSWR	F/B Ratio (dB)	First Side Lobe Above Horizon	Electronic Null Fill Below Main Beam	Horizontal Beamwidth (Degrees)	Vertical Beamwidth (Degrees)
ISM-090/0-19.2/A	19.2	1.3:1	>35	<-30 dB	Filled To -25 dB	90 (+/-3)	6.0 (+/- 0.5)
ISM-090/0-18.2/A	18.2	1.3:1	>35	<-25 dB	Filled To -25 dB	90 (+/-3)	7.0 (+/- 0.5)
ISM-090/0-17.2/A	17.2	1.3:1	>30	<-25 dB	Filled To -25 dB	90 (+/-3)	14 (+/- 1.0)
ISM-090/0-17.2/SAD	17.2	1.3:1	>30	<-20 dB	Filled To -25 dB	90 (+/-3)	14 (+/- 1.0)

MECHANICAL SPECIFICATIONS

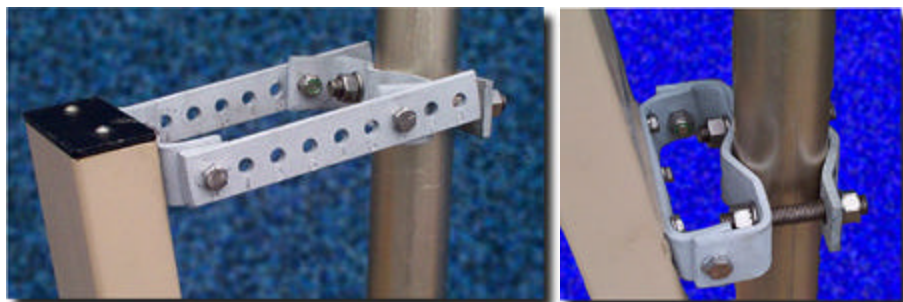
Mechanical Downtilt	0 to 4 Degrees Mount Standard; 0-8 Degrees Available
Radiating Element	Aluminum
Radome Material	UV Stabilized Epoxy Fiberglass
Mounting	Wall mount or Pipe Mount (1.5 to 2.75 Inch Diameter Pipe)

DETAILED MECHANICAL SPECIFICATIONS

Model Number	Height Inches	Width Inches	Depth Inches	Frontal Wind Loading @ 100 MPH	Side Wind Loading @ 100 MPH	Frontal Area Flat Plate EQ, SQ FT	Side Area Flat Plate EQ, SQ FT	Weight Pounds
ISM-090/0-19.2/A	52	9.7	2.2	117 lbs	47 lbs	3.62	1.18	24
ISM-090/0-18.2/A	45	9.7	2.2	95 lbs	32 lbs	2.93	.79	22
ISM-090/0-17.2/A	32	9.7	2.2	87 lbs	23 lbs	1.92	.45	19
ISM-090/0-17.2/SAD	64.5	9.7	2.2	172 lbs	47 lbs	4.31	1.18	25

ENVIRONMENTAL SPECIFICATIONS

Wind Survival	150 MPH, 120 MPH with 1/2 inch ice
Lightning Protection	Direct Ground



Optional Adjustable Down Tilt Mounting Brackets