

SC225M-HF4SNM

Collinear omni, 0 dBd, HD, N-Male connector, 156-166 MHz

Also referred as: SRL225MNFHD*4

- Collinear Omni antenna
- Heavy-duty fiberglass radome
- Light weight

The SC225M-H series of antennas are constructed of high strength fiberglass with aluminum base pipe. The combined features of light weight, unity gain and low cost make this antenna a natural choice for moderate base station antenna requirements.



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Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Product Specification Sheet
EPR 016440
Customer Tech Manual 005228

SC225M-HF4SNM

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Electrical Specifications

Frequency Range	MHz	156 to 166
Bandwidth	MHz	10
Connector		Cable mounted N-male
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	80
Average Input Power (max)	W	250
Lightning protection		DC ground
Electrical tilt (available)		0 degrees

Notes

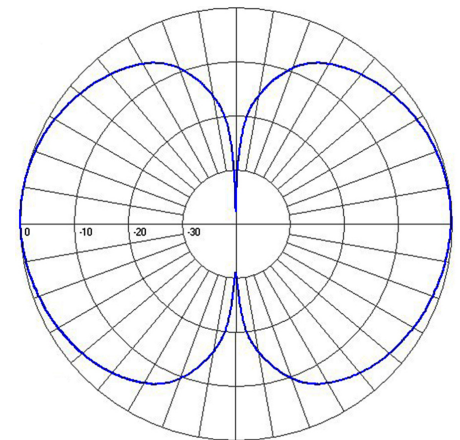
*1 : Qty 2

Mechanical Specifications

Width	in (mm)	2.5 (64)
Length	in (mm)	69.1 (1755)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	12 (305)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	9.5 (4.31)
Weight iced (1/2" ice)	lbs (kg)	47 (21.34)
Mounting Hardware (Included)		Clamp005
Mounting configurations		upright, inverted
Kit for Offset Side Mount (straight tower leg)		Not Required
Actual shipping weight	lbs (kg)	18 (8.17)
Shipping dimensions	in (mm)	72x3x5 (1829x76x127)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.66 (0.06)
Wind Loading Area (1/2" ice)	ft² (m²)	1.53 (0.14)
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	125 (201)
Lateral Thrust (100 mph No Ice)	lbs (N)	26 (115.6)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	37 (50)
Tip deflection (100 mph No Ice)	degrees	0.15



Elevation

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