

## SC225M-HF6SNM

Collinear omni, 0 dBd, HD, N-Male connector, 150-160 MHz

Also referred as: SRL225MNFHD\*6

- 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
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Product Specification Sheet  
EPR 016440  
Customer Tech Manual 005228

SC225M-HF6SNM

Issue: 2

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#### Electrical Specifications

Frequency Range	MHz	150 to 160	
Bandwidth	MHz	10	
Connector		N-Male	*1
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

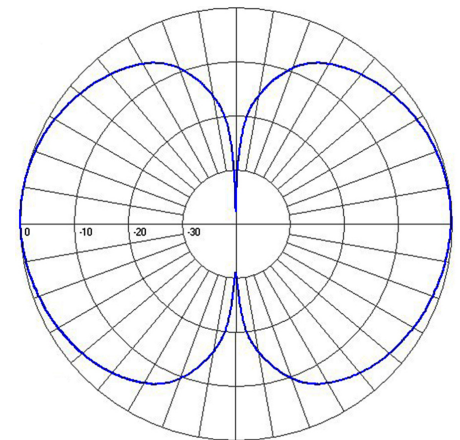
- \*1 : N-Female also available.
- \*2 : Qty 2

#### 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)	
Mounting Hardware (Included)		Clamp005	*2
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)	0.7 (0.07)
Wind Loading Area (1/2" ice)	ft² (m²)	1 (0.09)
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)	40 (54)
Tip deflection (100 mph No Ice)	degrees	0.1



**Elevation**

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