

SC225M-SF7SNM Collinear omni, 0 dBd, 217-225 MHz

- Lightweight short length omni antenna, easy to deploy

The SC225M series is specially designed for marine applications. The typical scenarios include coastal applications or onboard ships. This collinear omni antenna series features a rugged architecture for long life in harsh and corrosive environments. Its high strength PVC radome is lightweight while offering reliable protection. All of the internal elements are DC grounded for lightning protection and static discharge. The unity gain and the optimized structure mean this antenna is compact and economical. All of these features make the SC225M series the ideal candidate for marine applications.



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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
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#### Electrical Specifications

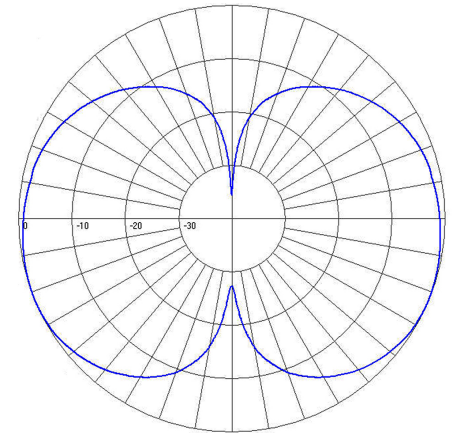
Frequency Range	MHz	217 to 225
Bandwidth	MHz	8
Connector		N-Male
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	80
Average Input Power (max)	W	250
Lightning protection		DC ground
Electrical tilt (available)		0

#### Notes

- \*1 : Qty 1
- \*2 : Value based on 100mph and 0 inches of ice.
- \*3 : Value based on 100mph and 0 inches of ice.
- \*4 : Value based on 100mph and 0 inches of ice.

#### Mechanical Specifications

Width	in (mm)	2.5 (64)
Depth	in (mm)	2.5 (64)
Length/ Height	in (mm)	44 (1118)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	3 (76)
Radome material		PVC
Weight	lbs (kg)	6.1 (2.77)
Weight iced (1/2" ice)	lbs (kg)	11.3 (5.13)
Mounting Hardware (Included)		Clamp005
Recommended For Offset Side Mount:		Not Required
Mounting configurations		upright
Actual shipping weight	lbs (kg)	12.5 (5.68)
Shipping dimensions	in (mm)	73x5x6 (1854x127x152)



**Elevation**

#### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft <sup>2</sup> (m <sup>2</sup> )	0.37 (0.03)
Wind Loading Area (1/2" ice)	ft <sup>2</sup> (m <sup>2</sup> )	0.52 (0.05)
Rated wind velocity (no ice)	mph (km/h)	125 (201)
Rated wind velocity (1/2" radial ice)	mph (km/h)	90 (145)
Lateral Thrust (100 mph No Ice)	lbs (N)	18 (80.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	25 (33.8)
Tip deflection (100 mph No Ice)	degrees	1.6

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