

SC225M-(CGLS) Collinear omni antenna, 0 dBd gain, 156-162.5 MHz

Also referred as: SRL225MCCG

- Designed for marine service under extreme conditions
- Light weight

The SC225 is a lightweight, collinear antenna constructed of high strength fiberglass with an aluminum coaxial skirt and 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. Mounting clamps are provided for parallel mounting to a minimum 1.9 inch diameter support pipe.



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet
EPR 016264
Customer Tech Manual 005652

SC225M-(CGLS)

Issue: 1

Dated: 14-12-16
Dated: 11-08-10

Electrical Specifications

Frequency Range	MHz	156 to 162.5
Bandwidth	MHz	6.5
Connector		N-Female
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Average Power Input (max)	W	250
Lightning protection		DC ground

Notes

*1 : Qty 2

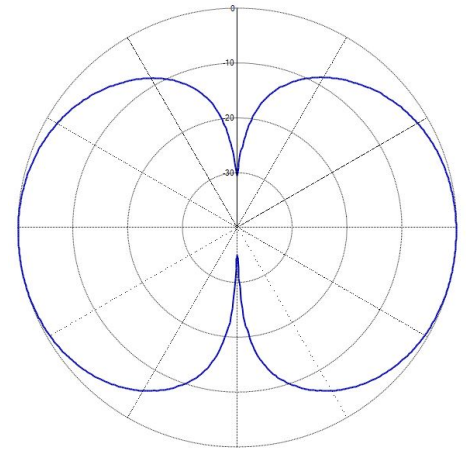
*2 : Value based on rated wind and ice load.

Mechanical Specifications

Width	in (mm)	2.5 (64)
Depth	in (mm)	2.5 (64)
Length/ Height	in (mm)	50.5 (1283)
Length	in (mm)	50.5 (1283)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	5 (127)
Radome material		fiberglass
Weight	lbs (kg)	7.1 (3.22)
Mounting Hardware (Included)		Clamp005
Estimated Shipping Weight	lbs (kg)	16 (7.26)
Shipping dimensions	in (mm)	61x4.25x4.25 (1549x108x108)
Mounting configurations		upright
Recommended For Offset Side Mount:		Not Required

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.49 (0.05)
Wind Loading Area (1/2" ice)	ft² (m²)	0.71 (0.07)
Rated wind velocity (no ice)	mph (km/h)	205 (330)
Rated wind velocity (1/2" radial ice)	mph (km/h)	170 (274)
Lateral thrust (100 mph No Ice)	lbs (N)	20 (89)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	26.5 (35.8)
Tip deflection (100 mph No Ice)	degrees	0.34



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