

SC225M-SF3SNM Collinear omni, 0 dBd, 147-157 MHz

Also referred as: SRL225MNM*3 • Lightweight short length omni antenna, easy to deploy

The SC225 series are a lightweight, collinear antenna constructed of high strength PVC radome 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. This antenna is designed for aviation service.

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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Electrical Specifications

Frequency Range	MHz	147 to 157
Bandwidth	MHz	10
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 Power Input (max)	W	250
Lightning protection		DC ground
Electrical tilt (available)		0

Notes

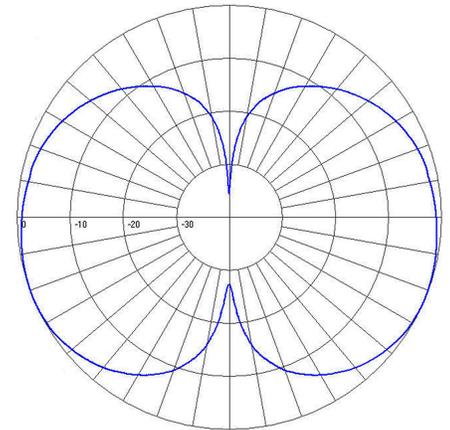
- *1 : Qty 2
- *2 : 0.5" (12.7mm) of ice. Flat plate equivalent.
- *3 : Value based on 100mph and 0 inches of ice.

Mechanical Specifications

Width	in (mm)	2.5 (64)
Depth	in (mm)	2.5 (64)
Length	in (mm)	65.5 (1664)
Radome material		PVC
Weight	lbs (kg)	7 (3.18)
Mounting Hardware (Included)		Clamp005
Recommended For Offset Side Mount:		Not Required
Mounting configurations		upright
Actual shipping weight	lbs (kg)	15 (6.81)
Shipping dimensions	in (mm)	73x5x6 (1854x127x152)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.56 (0.05)
Wind Loading Area (1/2" ice)	ft² (m²)	0.86 (0.08)
Rated wind velocity (no ice)	mph (km/h)	120 (193)
Rated wind velocity (1/2" radial ice)	mph (km/h)	85 (137)
Lateral Thrust (100 mph No Ice)	lbs (N)	23 (102.3)



Elevation

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