

SC272-SF1SNF Collinear omni, 0 dBd, 118-137 MHz

- Designed for aviation service under extreme conditions
- PVC radome
- Light weight

The SC272 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
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

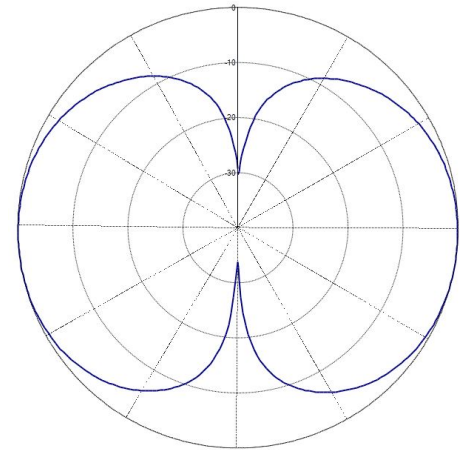
Frequency Range	MHz	118 to 137
Bandwidth	MHz	19
Connector		N-Female
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		2:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	85
Average Power Input (max)	W	250
Lightning protection		DC ground
Electrical tilt (available)		0

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)	6.1 (2.77)
Weight iced (1/2" ice)	lbs (kg)	12 (5.45)
Mounting Hardware (Included)		Clamp005
Actual shipping weight	lbs (kg)	25 (11.35)
Shipping dimensions	in (mm)	75x4x4 (1905x102x102)
Mounting configurations		upright
Mounting hardware		#5 clamp

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.6 (0.06)
Wind Loading Area (1/2" ice)	ft² (m²)	0.9 (0.08)
Rated wind velocity (no ice)	mph (km/h)	135 (217)
Rated wind velocity (1/2" radial ice)	mph (km/h)	115 (185)
Lateral thrust (100 mph No Ice)	lbs (N)	23 (102.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	54 (72.9)
Tip deflection (100 mph No Ice)	degrees	3.8



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