

SM500 <1GHz

Mobile omni antennas, 0 dBd Gain, 700-1000 MHz,

- Ideal for either mobile or in-building applications, radome-enclosed
- Available in either grey or white ABS radome
- Additional ground plane required for installation

Radome-enclosed antenna is designed for a variety of mobile applications: railroad locomotives, taxis, police cars, emergency vehicles, buses and trucks. N female termination. Ground plane is required. Available in grey or white.

Many different mounts are available.

Model	Description	Pattern
SM500-SF1SNF(CGR)	0 dBd gain, grey radome, N (female) connector, 806-866 MHz	Omni-directional
SM500-SF2SNF(CGR)	0 dBd gain, grey radome, N (female) connector, 824-896 MHz	Omni-directional
SM500-SF3SNF(CGR)	0 dBd gain, grey radome, N (female) connector, 896-960 MHz	Omni-directional
SM500-SF3SNF(CWH)	0 dBd gain, white radome, N (female) connector, 896-960 MHz	Omni-directional



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) 1223 42 03 03	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
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Product Specification Sheet		SM500 <1GHz		Dated: 05-02-10

[SM500-SF1SNF\(CGR\)](#)

[SM500-SF2SNF\(CGR\)](#)

[SM500-SF3SNF\(CGR\)](#)

[SM500-SF3SNF\(CWH\)](#)

Electrical Specifications

Frequency Range, MHz	806 to 866	824 to 896	896 to 960	896 to 960
Gain (nominal), dBd (dBi)	unity (2.1)	unity (2.1)	unity (2.1)	unity (2.1)
Input VSWR (max)	1.5:1	1.5:1	1.5:1	1.5:1
Polarization	vertical	vertical	vertical	vertical
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Vertical beamwidth, degrees	55	55	55	55
Average Power Input (max), W	50	50	50	50

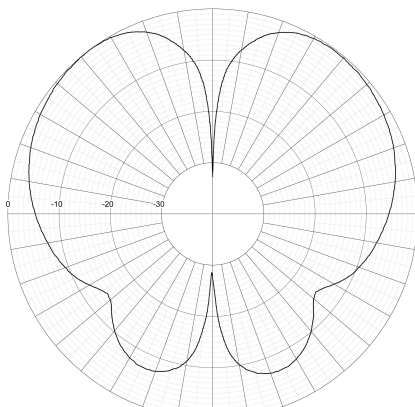
Mechanical Specifications

Connector	N (female)	N (female)	N (female)	N (female)
Length/ Height, in (mm)	3.8 (97)	3.8 (97)	3.8 (97)	3.8 (97)
Width, in (mm)	4.5 (114)	4.5 (114)	4.5 (114)	4.5 (114)
Radome material	ABS (gray)	ABS (gray)	ABS (gray)	ABS (white)
Weight, lbs (kg)	1 (0.5)	1 (0.5)	1 (0.5)	1 (0.5)
Actual Shipping weight, lbs (kg)	3 (1.4)	3 (1.4)	3 (1.4)	3 (1.4)
Shipping dimensions, in (mm)	11x8x5 (279x203x127)	11x8x5 (279x203x127)	11x8x5 (279x203x127)	11x8x5 (279x203x127)
Ground Plane, in (mm)	10x10x0.1 (254x254x3)	10x10x0.1 (254x254x3)	10x10x0.1 (254x254x3)	10x10x0.1 (254x254x3)

Environmental Specifications

Temperature range, °F (°C)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)
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SINCLAIR TECHNOLOGIES



SM500-SF1SNF(CGR)

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