

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
<a href="#">SM500-SF1SNF(CGR)</a>	0 dBd gain, grey radome, N (female) connector, 806-866 MHz	Omni-directional
<a href="#">SM500-SF2SNF(CGR)</a>	0 dBd gain, grey radome, N (female) connector, 824-896 MHz	Omni-directional
<a href="#">SM500-SF3SNF(CGR)</a>	0 dBd gain, grey radome, N (female) connector, 896-960 MHz	Omni-directional
<a href="#">SM500-SF3SNF(CWH)</a>	0 dBd gain, white radome, N (female) connector, 896-960 MHz	Omni-directional



www.sinctech.com



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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

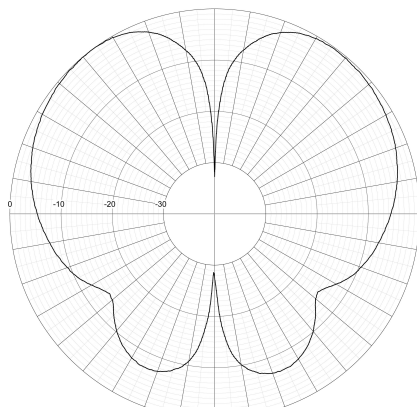
**Mechanical Specifications**

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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