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SG401

Ground plane omni antenna, 0 dBd gain, 806-960 MHz

- Rugged construction, light weight and easy to install
- 2 clamps provided

The SG401 is a versatile antenna ideal for use where broadband unity gain omni-directional coverage is needed.

Model

[SG401-SF1SNF](#)
[SG401-SF1SNM](#)
[SG401-SF2SNF](#)
[SG401-SF2SNM](#)

Description

0 dBd gain, N(female) connector, 806-890 MHz
0 dBd, N (male) connector, 806-890 MHz
0 dBd gain, N (female) connector, 890-960 MHz
0 dBd gain, N (male) connector, 890-960 MHz

Pattern

Omni-directional
Omni-directional
Omni-directional
Omni-directional



www.sinctech.com

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		SG401		Dated: 05-02-10

[SG401-SF1SNF](#)

[SG401-SF1SNM](#)

[SG401-SF2SNF](#)

[SG401-SF2SNM](#)

Electrical Specifications

Frequency Range, MHz	806 to 890	806 to 890	890 to 960	890 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
Horizontal beamwidth, degrees	360	360	360	360
Vertical beamwidth, degrees	80	80	80	80
Average Power Input (max), W	100	100	100	100
Lightning protection	DC ground	DC ground	DC ground	DC ground

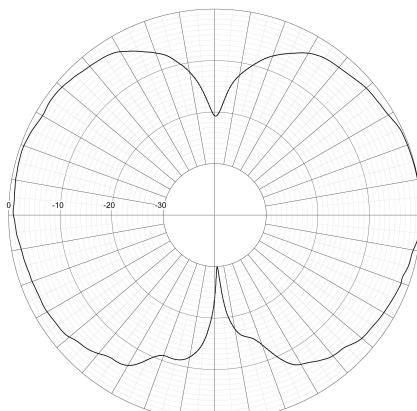
Mechanical Specifications

Connector	N (female)	N (male)	N (female)	N (male)
Length/ Height, in (mm)	21 (533)	21 (533)	21 (533)	21 (533)
Base pipe diameter, in (mm)	0.8 (19)	0.8 (19)	0.8 (19)	0.8 (19)
Base pipe mounting length, in (mm)	8 (203)	8 (203)	8 (203)	8 (203)
Weight, lbs (kg)	1 (0.5)	1 (0.5)	1 (0.5)	1 (0.5)
Actual Shipping weight, lbs (kg)	5 (2.3)	5 (2.3)	5 (2.3)	5 (2.3)
Shipping dimensions, in (mm)	6x4x26 (152x102x660)	6x4x26 (152x102x660)	6x4x26 (152x102x660)	6x4x26 (152x102x660)
Mounting hardware	#135B clamp	#135B clamp	#135B clamp	#135B clamp

Environmental Specifications

Temperature range, °F (°C)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)
Rated wind velocity (no ice), mph (km/h)	150 (242)	150 (242)	150 (242)	150 (242)
Rated wind velocity (1/2" radial ice), mph (km/h)	100 (161)	100 (161)	100 (161)	100 (161)
Lateral thrust (100mph), lbs (N)	12.3 (54.7)	12.3 (54.7)	12.3 (54.7)	12.3 (54.7)

SINCLAIR TECHNOLOGIES



SG401-SF1SNF

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