

SG301-SF1SNM      Ground plane omni, 0 dBd, 406-420 MHz

Also referred as: SRL301NM\*1

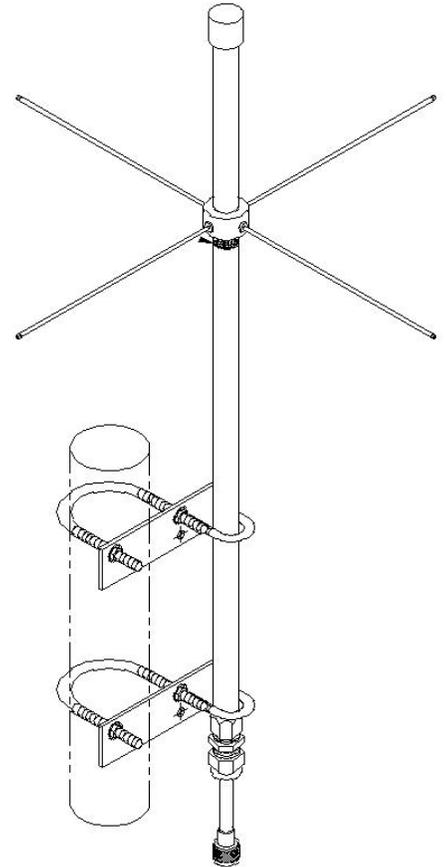
- Covers 14 MHz bandwidth without adjustment
- Rugged construction, light weight and easy to install

The SG301 is a versatile antenna ideal for use where broadband, unity gain, omnidirectional coverage is needed. It covers a 14 MHz bandwidth without adjustment.

Rugged construction, light weight and ease of installation make it an ideal choice for leased or rented system use.

### Application Notes

- For use in broadband applications such as transportation, agriculture, forestry and mining. Unity gain with omnidirectional coverage provides increased flexibility.



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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
<b>E-mail</b>	salesusa@sinclaire.com	salesuk@sinclaire.com	salesla@sinclaire.com	salescan@sinclaire.com

### Electrical Specifications

Frequency Range	MHz	406 to 420
Bandwidth	MHz	14
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	87
Average Power Input (max)	W	100
Lightning protection		DC ground

### Mechanical Specifications

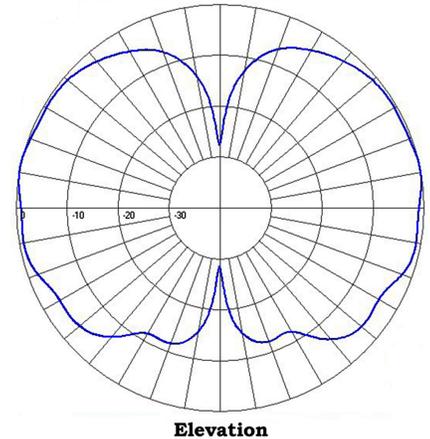
Width	in (mm)	16 (406)
Depth	in (mm)	16 (406)
Length/ Height	in (mm)	23 (584)
Base pipe diameter	in (mm)	0.75 (19)
Base pipe mounting length	in (mm)	8 (203)
Weight	lbs (kg)	2 (0.91)
Mounting Hardware (Included)		Clamp135
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	3x5x25 (76x127x635)

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft <sup>2</sup> (m <sup>2</sup> )	0.09 (0.01)
Wind Loading Area (1/2" ice)	ft <sup>2</sup> (m <sup>2</sup> )	0.33 (0.03)
Lateral thrust (100 mph No Ice)	lbs (N)	3.4 (15.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	0.52 (0.7)

### Ordering Information

Clamps included.



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