

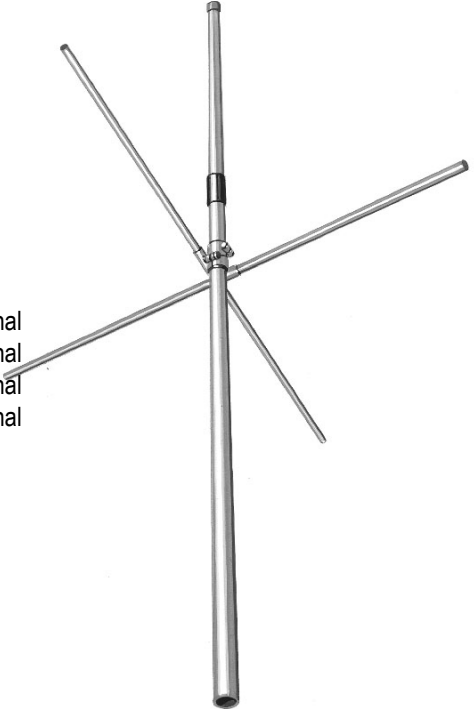
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**SG217**

Ground plane omni antenna, 2.5 dBd gain, 118-174 MHz

- Field adjustable
- Omni-directional radiation pattern and 2.5 dBd gain
- Excellent antenna to stock for re-use or re-sale

The SG217 is a low cost frequency-adjustable antenna with omni-directional radiation pattern and 3 dBd gain. The SG217 is field adjustable to resonance over the frequency ranges 118-136 MHz or 138-174 MHz. The SG217 is an ideal antenna for leased system service, being quickly and easily adjusted to each new frequency as needed. It is an excellent antenna to stock for reuse or resale. Contact your Sinclair representative for detailed specifications on low band version (118-136 MHz).



**Model**

- [SG217-SF1SNM](#)
- [SG217-SF1SUF](#)
- [SG217-SF2SNM](#)
- [SG217-SF2SUF](#)

**Description**

- 2.5 dBd gain, N (male) connector, 118-138 MHz
- 2.5 dBd gain, UHF (female) connector, 118-138 MHz
- 2.5 dBd gain, N (male) connector, 138-174 MHz
- 2.5 dBd gain, UHF (female) connector, 138-174 MHz

**Pattern**

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

www.sinctech.com



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**ROJONE**  
PTY. LTD.

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Product Specification Sheet		SG217		Dated: 05-02-10

[SG217-SF1SNM](#)

[SG217-SF1SUF](#)

[SG217-SF2SNM](#)

[SG217-SF2SUF](#)

**Electrical Specifications**

Frequency Range, MHz	118 to 138	118 to 138	138 to 174	138 to 174
Gain (nominal), dBd (dBi)	2.5 (4.6)	2.5 (4.6)	2.5 (4.6)	2.5 (4.6)
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	40	40	40	40
Average Power Input (max), W	250	250	250	250
Lightning protection	DC ground	DC ground	DC ground	DC ground

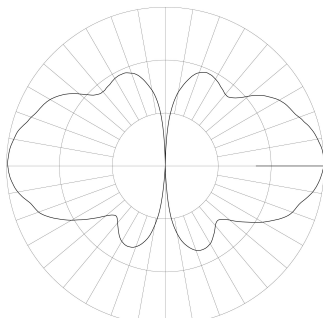
**Mechanical Specifications**

Connector	N (male)	UHF (female)	N (male)	UHF (female)
Length/ Height, in (mm)	128 (3251)	128 (3251)	128 (3251)	128 (3251)
Width, in (mm)	58 (1473)	58 (1473)	58 (1473)	58 (1473)
Base pipe diameter, in (mm)	1.5 (38)	1.5 (38)	1.5 (38)	1.5 (38)
Weight, lbs (kg)	6.5 (3)	6.5 (3)	6.5 (3)	6.5 (3)
Actual Shipping weight, lbs (kg)	15 (6.8)	15 (6.8)	15 (6.8)	15 (6.8)
Shipping dimensions, in (mm)	73x5x6 (1854x127x152)	73x5x6 (1854x127x152)	73x5x6 (1854x127x152)	73x5x6 (1854x127x152)
Mounting hardware	#135 clamp	#135 clamp	#135 clamp	#135 clamp

**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)
Wind Loading Area (Flat Plate Equivalent), ft <sup>2</sup> (m <sup>2</sup> )	1.22 (0.11)	1.22 (0.11)	1.22 (0.11)	1.22 (0.11)
Wind Loading Area (ice), ft <sup>2</sup> (m <sup>2</sup> )	2.24 (0.21)	2.24 (0.21)	2.24 (0.21)	2.24 (0.21)
Rated wind velocity (no ice), mph (km/h)	125 (201)	125 (201)	125 (201)	125 (201)
Rated wind velocity (1/2" radial ice), mph (km/h)	85 (137)	85 (137)	85 (137)	85 (137)
Lateral thrust (100mph), lbs (N)	65 (289.1)	65 (289.1)	65 (289.1)	65 (289.1)
Bending moment, ft-lbs (Nm)	224 (302.4)	224 (302.4)	224 (302.4)	224 (302.4)

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Elevation  
Relative Gain - 10 dB per Division

**SG217-SF1SNM**

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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