

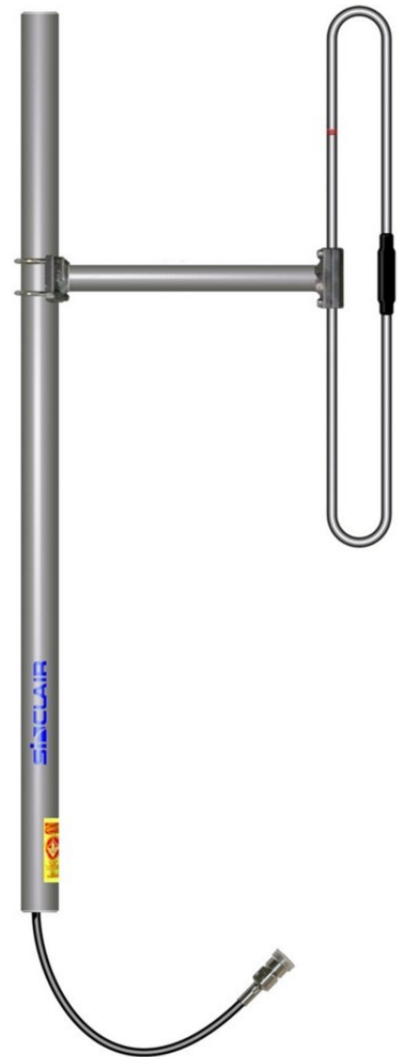
SD210-L - PIM Certified 1 dipole antenna, 1.5/2.0 dBd gain, low PIM, 118-225 MHz

- 1-bay dipole antenna with industry-leading -150dBc PIM rating
- 1.5 dBd gain in elliptical (bi-directional) pattern (1/2 wave configuration)
- 200W power rating

The SD210-L series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-137 or 138-174 MHz at a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multicoupled systems.

The SD210-L is also high-performance low PIM antenna which use industry-leading designs that offers excellent bandwidth and high reliability

Model	Description	Pattern
<a href="#">SD210-SF1P2LDF</a>	1.5 dBd gain, elliptical, 7/16 DIN (female) connector, 118-138 MHz	Bi-directional
<a href="#">SD210-SF1P4LDF</a>	2.0 dBd gain, offset, 7/16 DIN (female) connector, 118-138 MHz	Offset
<a href="#">SD210-SF2P2LDF</a>	1.5 dBd gain, elliptical, 7/16 DIN (female) connector, 138-174 MHz	Bi-directional
<a href="#">SD210-SF2P4LDF</a>	2.0 dBd gain, offset, 7/16 DIN (female) connector, 138-174 MHz	Offset
<a href="#">SD210-SF3P2LDF</a>	1.5 dBd gain, elliptical, 7/16 DIN (female) connector, 190-225 MHz	Bi-directional
<a href="#">SD210-SF3P4LDF</a>	2.0 dBd gain, offset, 7/16 DIN (female) connector, 190-225 MHz	Offset



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) 1223 42 03 03	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet		SD210-L - PIM Certified		Dated: 05-02-10

[SD210-SF1P2LDF](#)

[SD210-SF1P4LDF](#)

[SD210-SF2P2LDF](#)

[SD210-SF2P4LDF](#)

**Electrical Specifications**

Frequency Range, MHz	118 to 138	118 to 138	138 to 174	138 to 174
Gain (nominal), dBd (dBi)	1.5 (3.6)	2 (4.1)	1.5 (3.6)	2 (4.1)
Input VSWR (max)	1.5:1	1.5:1	1.5:1	1.5:1
Polarization	vertical	vertical	vertical	vertical
Pattern	Bi-directional	Offset	Bi-directional	Offset
Horizontal beamwidth, degrees		210		210
Vertical beamwidth, degrees	68	68	68	68
Average Power Input (max), W	200	200	200	200
Passive intermod. (2x20W, 3rd ord.), dBc	-150	-150	-150	-150
Lightning protection	DC ground	DC ground	DC ground	DC ground

**Mechanical Specifications**

Connector	7/16 DIN (female)	7/16 DIN (female)	7/16 DIN (female)	7/16 DIN (female)
Length/ Height, in (mm)	60 (1524)	60 (1524)	60 (1524)	60 (1524)
Width, in (mm)	42 (1067)	21 (533)	42 (1067)	21 (533)
Depth, in (mm)	3.5 (89)	3.5 (89)	3.5 (89)	3.5 (89)
Base pipe diameter, in (mm)	1.9 (48)	1.9 (48)	1.9 (48)	1.9 (48)
Weight, lbs (kg)	11.6 (5.3)	10 (4.5)	11.6 (5.3)	10 (4.5)
Weight iced, lbs (kg)	30.1 (13.7)	26.2 (11.9)	30.1 (13.7)	26.2 (11.9)
Actual Shipping weight, lbs (kg)	31.3 (14.2)	31.3 (14.2)	31.3 (14.2)	31.3 (14.2)
Shipping dimensions, in (mm)	62.4x44.4x3.6 (1585x1128x91)	62.4x44.4x3.6 (1585x1128x91)	62.4x44.4x3.6 (1585x1128x91)	62.4x44.4x3.6 (1585x1128x91)
Mounting hardware	Clamps not supplied	Clamps not supplied	Clamps not supplied	Clamps not supplied

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[SD210-SF3P2LDF](#)

[SD210-SF3P4LDF](#)

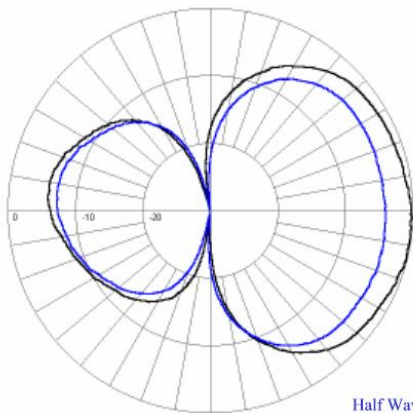
**Electrical Specifications**

Frequency Range, MHz	190 to 225	190 to 225
Gain (nominal), dBd (dBi)	1.5 (3.6)	2 (4.1)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical	vertical
Pattern	Bi-directional	Offset
Horizontal beamwidth, degrees		210
Vertical beamwidth, degrees	68	68
Average Power Input (max), W	200	200
Passive intermod. (2x20W, 3rd ord.), dBc	-150	-150
Lightning protection	DC ground	DC ground

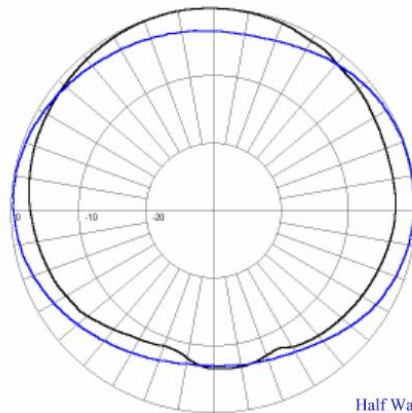
**Mechanical Specifications**

Connector	7/16 DIN (female)	7/16 DIN (female)
Length/ Height, in (mm)	60 (1524)	60 (1524)
Width, in (mm)	42 (1067)	21 (533)
Depth, in (mm)	3.5 (89)	3.5 (89)
Base pipe diameter, in (mm)	1.9 (48)	1.9 (48)
Weight, lbs (kg)	11.6 (5.3)	10 (4.5)
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www.sinclaire.com



SD210-SF1P2LDF



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