

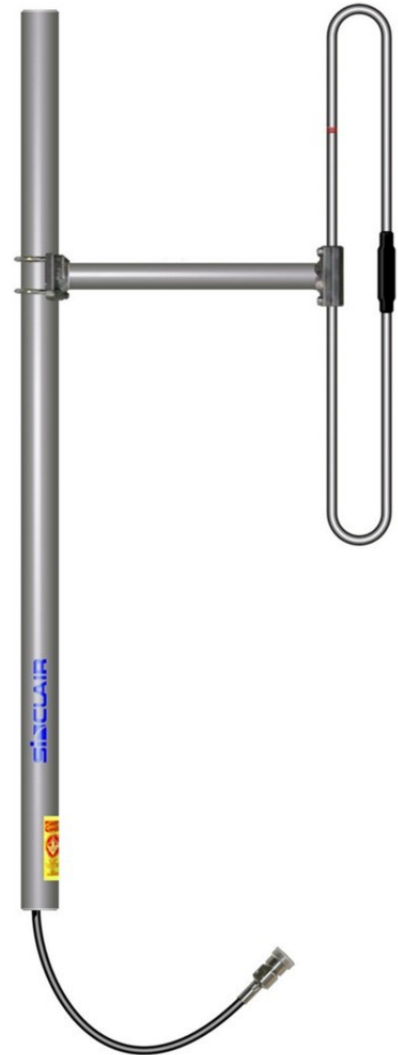
SD210-SF1P4SNM      1 dipole, 2.5 dBd, offset, 118-138MHz

Also referred as: SRL210CNM\*1-4

- Covers the entire 118-138 MHz band
- 2.5 dBd gain with offset pattern
- Can be top or side mount (Universal mount)

**Recommend SMK-125-A3 or SMK-125-A7 for Offset Side Mount.  
Available from Sinclair separately.**

The SD210 series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-137, 138-174, or 190-225 MHz with a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multicoupled systems.



www.sincltech.com

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

Frequency Range	MHz	118 to 138
Bandwidth	MHz	20
Connector		N-Male
Gain (nominal)	dBd (dBi)	2.5 (4.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Offset
Horizontal beamwidth (typ)	degrees	210
Vertical beamwidth (typ)	degrees	68
Average Power Input (max)	W	200
Lightning protection		DC ground

#### Notes

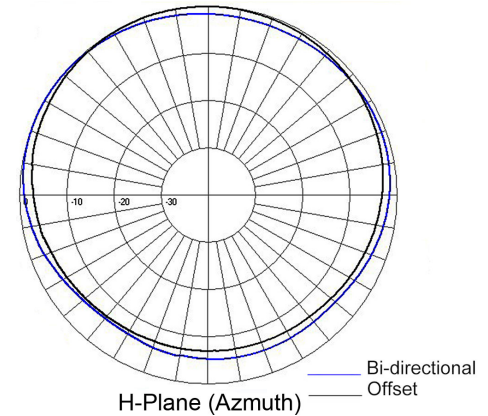
- \*1 : Qty 2 required
- \*2 : 0.5" radial ice
- \*3 : Value based on 100 mph with 0" ice

#### Mechanical Specifications

Width	in (mm)	21 (533)
Depth	in (mm)	3 (76)
Length/ Height	in (mm)	72 (1829)
Base pipe diameter	in (mm)	1.9 (48)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	10 (4.54)
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *1
Actual shipping weight	lbs (kg)	15 (6.81)
Shipping dimensions	in (mm)	76x4x42 (1930x102x1067)
Mounting configurations		Universal Mount
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7

#### Ordering Information

Clamps must be ordered separately.



#### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.93 (0.09)
Wind Loading Area (1/2" ice)	ft² (m²)	1.66 (0.15) *2
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	85 (137)
Lateral thrust (100 mph No Ice)	lbs (N)	34.1 (151.7) *3

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