

SD210-SF2P4SNM 1 dipole, 2.5 dBd, offset, 138-174 MHz

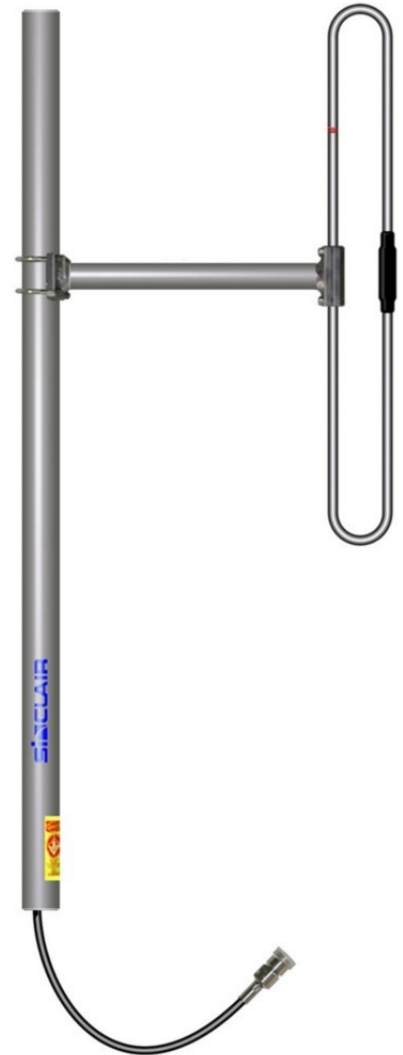
Also referred as: SRL210CNM*2-4

- Covers 118-225 MHz in 3 band-splits
- 2.5 dBd gain with offset pattern
- Can be bottom 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 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.

Two model variants of this rugged antenna are available: Pattern adjustable version with external cable harness enabling its pattern to be changed in the field; and the fixed pattern versions (such as the 1/2 and 1/4 wave options), which cannot be adjusted in the field as the cable harness is inside the mast and dipole booms.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet EPR 016860		SD210-SF2P4SNM	Issue: 8	Dated: 12-10-11 Dated: 08-08-11

Electrical Specifications

Frequency Range	MHz	138 to 174
Bandwidth	MHz	36
Gain (nominal)	dBi (dBd)	4.6 (2.5)
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

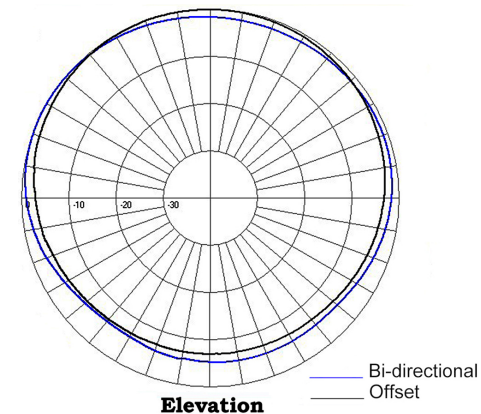
- *1 : Qty 2 required
- *2 : 0.5" radial ice
- *3 : Value based on 100 mph with 0" ice

Mechanical Specifications

Connector		N-Male
Depth	mm (in)	76 (3)
Length/ Height	mm (in)	1524 (60)
Width	mm (in)	533 (21)
Base pipe diameter	mm (in)	48 (1.9)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	kg (lbs)	3.77 (8.3)
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *1
Actual Shipping weight	kg (lbs)	6.81 (15)
Shipping dimensions	mm (in)	1600x102x1067 (63x4x42)
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	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m ² (ft ²)	0.08 (0.89)
Wind Loading Area (ice)	m ² (ft ²)	0.15 (1.6) *2
Rated wind velocity (no ice)	km/h (mph)	282 (175)
Rated wind velocity (1/2" radial ice)	km/h (mph)	137 (85)
Lateral thrust (100mph)	N (lbs)	151.7 (34.1) *3

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