

SD210-SF2P4SNM(BT) 1 dipole, 2.5 dBd, offset, weather boot, 138-174 MHz

Also referred as: SRL210CNM\*2-4

- Covers 138-174 MHz
- 2.5 dBd gain with offset pattern
- Can be top or side mount (Universal mount)
- Connector weather boot equipped for ease of waterproofing in the field

**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
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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range	MHz	138 to 174
Bandwidth	MHz	36
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 Input Power (max)	W	200
Lightning protection		DC ground

### Notes

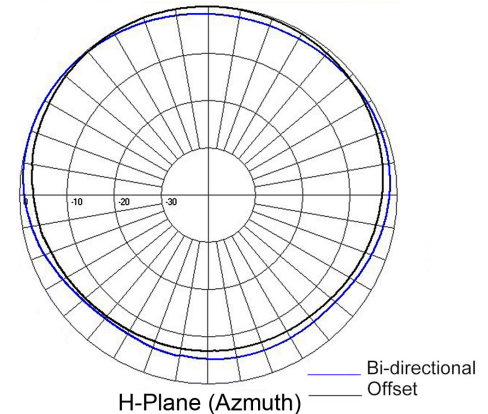
\*1 : Qty 2 required

### Mechanical Specifications

Width	in (mm)	21 (533)
Depth	in (mm)	3 (76)
Length/ Height	in (mm)	60 (1524)
Base pipe diameter	in (mm)	1.9 (48)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	8.3 (3.77)
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *1
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7
Mounting configurations		Universal Mount
Actual shipping weight	lbs (kg)	15 (6.81)
Shipping dimensions	in (mm)	63x4x42 (1600x102x1067)

### 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)	0.89 (0.08)
Wind Loading Area (1/2" ice)	ft² (m²)	1.6 (0.15)
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)
Connector weather seal boot		Times IPB-400 NM

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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com