

SD214-SF2P4SNM(D00) 4 dipole, 8.5 dBd, offset, N-Male, 138-174 MHz

Also referred as: SRL210C4NM\*2-4

- Covers the entire 138-174 MHz frequency range
- 8.5 dBd gain with offset pattern
- 300 Watts power handling
- Can be top or side mounted (Universal Mount)

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

The SD214 series is a rugged 4-bay exposed dipole antenna designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety applications.

The design of these antennas provides for coverage between 118 to 225 MHz in 3 sub bands, 118-138 MHz for civil aviation applications, 138-174 MHz for private mobile networks, public safety, and 220-225 MHz for transportation networks.

The standard connector offered is an N-type male.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet		SD214-SF2P4SNM(D00)		Issue: 9
EPR 016862				Dated: 08-10-13
Customer Tech Manual 005131		Sinclair's commitment to product leadership may result in improvement or change to this product		Dated: 30-09-13
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#### Electrical Specifications

Frequency Range	MHz	138 to 174
Connector		N-Male
Gain (nominal)	dBd (dBi)	8.5 (10.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	$\Omega$	50
Pattern		Offset
Horizontal beamwidth (typ)	degrees	210
Vertical beamwidth (typ)	degrees	17
Average Power Input (max)	W	300
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6, or 8 degrees

#### Notes

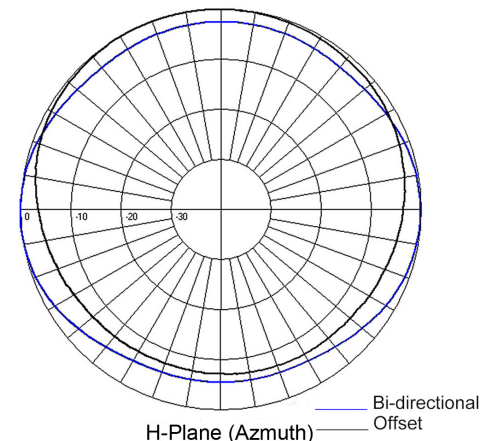
\*1 : Qty 2

#### Mechanical Specifications

Depth	in (mm)	4 (102)
Length/ Height	in (mm)	240 (6096)
Width	in (mm)	26.5 (673)
Base pipe diameter	in (mm)	2.38 (60)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	57.5 (26.11)
Mounting Hardware (Optional)		Clamp147, Clamp005, or Clamp015
Actual Shipping weight	lbs (kg)	83 (37.68)
Shipping dimensions	in (mm)	247x28x6 (6274x711x152)
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)	3.34 (0.31)
Wind Loading Area (1/2" ice)	ft² (m²)	5.67 (0.53)
Rated wind velocity (no ice)	mph (km/h)	135 (217)
Rated wind velocity (1/2" radial ice)	mph (km/h)	95 (153)
Lateral thrust (100 mph No Ice)	lbs (N)	122 (542.7)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	132 (178.2)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	701 (946.4)

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