

SD214-SF3P4SNM(D00) 4 dipole, 8.5 dBd, offset, N-Male, 195-245 MHz

Also referred as: SRL210C4*4*220DT0

- Covers the entire 195-245 MHz frequency range
- 8.5 dBd gain with offset pattern
- 250 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.

Proud Partner of the iBwave Component Database.

The standard connector offered is an N-type male.

N-Female connector is also available:
part#: SD214-SF3P4SNF(D00)



www.sinctech.com

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	195 to 245	
Connector		N-Male	*1
Gain (nominal)	dBd (dBi)	8.5 (10.6)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Offset	
Horizontal beamwidth (typ)	degrees	210	
Vertical beamwidth (typ)	degrees	17	
Average Input Power (max)	W	250	
Lightning protection		DC ground	
Electrical tilt (available)		0,2,4,6, or 8 degrees	

Notes

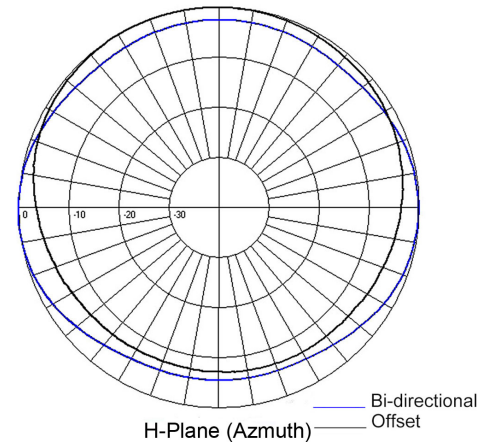
- *1 : N-Female is also available.
- *2 : Qty 2

Mechanical Specifications

Width	in (mm)	19 (483)	
Depth	in (mm)	4 (102)	
Length/ Height	in (mm)	180 (4572)	
Base pipe diameter	in (mm)	2.38 (60)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	44.5 (20.2)	
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*2
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7	
Mounting configurations		Universal Mount	
Actual shipping weight	lbs (kg)	61 (27.69)	
Shipping dimensions	in (mm)	187x24x6 (4750x610x152)	

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)	2.52 (0.23)
Wind Loading Area (1/2" ice)	ft² (m²)	4.19 (0.39)
Rated wind velocity (no ice)	mph (km/h)	145 (233)
Rated wind velocity (1/2" radial ice)	mph (km/h)	115 (185)
Lateral Thrust (100 mph No Ice)	lbs (N)	109 (484.8)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	37 (50)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	575 (776.3)

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