

SD314-HF1P4SNM(D00) 4 dipole, 8.5 dBd, offset, N-Male, HD, 370-460 MHz

Also referred as: SD314-HF1P4SNM

- Covers 370-460 MHz frequency range
- 8.5 dBd gain with offset pattern
- Heavy duty with 200 W power handling
- Can be top or side mounted (Universal mount)

**Recommend SMK-125-A3 side mount kit when side mounting antenna.  
Available from Sinclair separately.**

The SD314-H series is an extremely rugged 4-bay exposed dipole antenna designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety/public security applications.

The design of these antennas provides for coverage between 370 to 512 MHz in 2 sub bands, 370-460 MHz and 406-512 MHz for private mobile networks, public safety and public security networks.

The standard connector offerend is N male which is terminated on a 1 foot cable. Clamps are not included but recommended is the set of #5 clamps.

Electrical downtilts available from 2-10 degrees.



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	370 to 460	
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	222	
Vertical beamwidth (typ)	degrees	16	
Average Power Input (max)	W	200	
Lightning protection		DC ground	
Electrical tilt (available)		0,2,4,6,8, or 10 degrees	

#### Notes

- \*1 : N-Female available
- \*2 : Qty 2
- \*3 : Values based on 100mph and 0 inches of ice.
- \*4 : Values based on 100mph and 0 inches of ice.

#### Mechanical Specifications

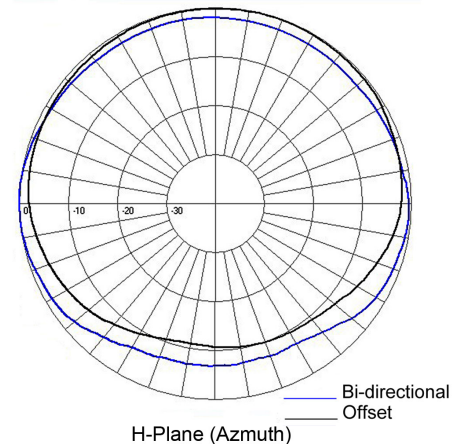
Width	in (mm)	12.5 (318)	
Depth	in (mm)	3.5 (89)	
Length/ Height	in (mm)	98.43 (2500)	
Base pipe diameter	in (mm)	2.38 (60)	
Base pipe mounting length	in (mm)	36 (914)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	23 (10.44)	
Mounting Hardware (Optional)		Clamp005, Clamp015, Clamp130, or Clamp125U	*2
Actual shipping weight	lbs (kg)	35 (15.89)	
Shipping dimensions	in (mm)	124x4x20 (3150x102x508)	
Mounting configurations		Universal Mount	
Recommended For Offset Side Mount:		SMK-125-A3	

#### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)	
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.73 (0.16)	
Wind Loading Area (1/2" ice)	ft² (m²)	4.38 (0.41)	
Rated wind velocity (no ice)	mph (km/h)	185 (298)	
Rated wind velocity (1/2" radial ice)	mph (km/h)	150 (242)	
Lateral thrust (100 mph No Ice)	lbs (N)	69 (306.9)	*3
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	11 (14.9)	
Bending moment (100 mph No Ice)	ft-lbs (Nm)	249 (336.2)	*4
Tip deflection (100 mph No Ice)	degrees	0.6	

#### Ordering Information

Clamps must be ordered separately.



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