

SD314-HF2P4LDF(D00) 4 dipole, 7.5 dBd, offset, low PIM, HD, 406-470 MHz

Also referred as: SD314-HF2P4LDF

- Industry-leading -150dBc PIM rating
- 7.5 dBd gain with offset pattern
- Heavy duty wind rating, 200 W power handling
- Can be top or side mounted (Universal mount)

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

The SD314-HL 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 applications.

The design of these antennas provides for coverage between 370 to 512 MHz in 3 sub bands, 370-430 MHz, 406-470 MHz and 450-512 MHz for private mobile networks, public safety and public security networks.

The SC314-HL series is also a low PIM antenna, with a PIM rating of -150 dBc, the best in the industry.

The standard connector offered is 7/16 DIN female.



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
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Electrical Specifications

Frequency Range	MHz	406 to 470
Bandwidth	MHz	64
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	7.5 (9.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Offset
Horizontal beamwidth (typ)	degrees	180
Vertical beamwidth (typ)	degrees	16
Average Power Input (max)	W	200
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6,8,or 10 degrees

Notes

*1 : Typical

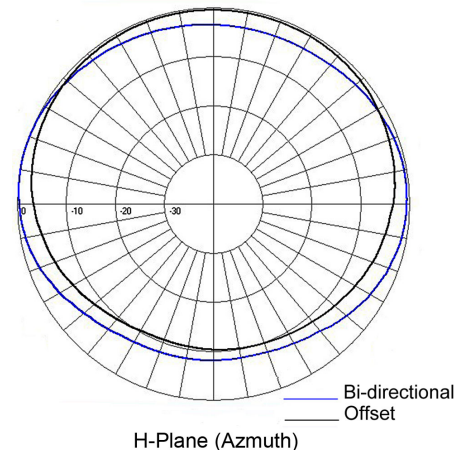
*2 : Qty 2

Mechanical Specifications

Width	in (mm)	13 (330)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	120 (3048)
Base pipe diameter	in (mm)	2.38 (60)
Base pipe mounting length	in (mm)	26 (660)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	25.1 (11.4)
Weight iced (1/2" ice)	lbs (kg)	50 (22.7)
Mounting Hardware (Optional)	Clamp005, Clamp015, Clamp130, or Clamp125U	
Actual shipping weight	lbs (kg)	40 (18.16)
Shipping dimensions	in (mm)	124x4x20 (3150x102x508)
Mounting configurations		Universal Mount
Recommended For Offset Side Mount:		SMK-125-A3

Ordering Information

Clamps must be ordered separately.



Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	135 (217)
Lateral thrust (100 mph No Ice)	lbs (N)	69.5 (309.1)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	2.8 (3.8)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	223.1 (301.2)
Tip deflection (100 mph No Ice)	degrees	0.89

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