

SD318-HF2P4SNM 8 dipole antenna, 10.2 dBd gain, offset, HD, 406-512 MHz

(SRL310C8NM*2-4)

- 8-bay dipole antenna
- 10.2 dBd gain offset pattern (1/4 wave)
- Heavy duty wind rating and 150W power handling
- Recommend using an SMK-125-A7 side mounting kit

The SD318-H series is an extremely rugged 8-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 offered is N-type (male).

Clamps are not included but recommended is the set of #5 clamps.



Wadsworth Sales Incorporated



Bryan Wadsworth
CELL PHONE #
815-790-4494
AMATEUR RADIO CALL
WB9MCW
www.wadsworthsales.com

www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 288 2763	International: +44 (0) 1223 42 03 03	International: 1 800 263 3275	Canada: 1 800 263 3238 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet EPR 017265		SD318-HF2P4SNM	Issue: 57	Dated: 13-03-09 Dated: 22-09-00

Electrical Specifications

Frequency Range 1 (F1)	MHz	406 to 512	*1
Polarization		vertical	
Gain (nominal)	dBi (dBd)	12.3 (10.2)	
Lightning protection		DC ground	
Pattern		Offset	
Input VSWR (max)		1.5:1	
Horizontal beamwidth	degrees	222	
Vertical beamwidth	degrees	8	
Average power input (max)	W	150	

Notes

- *1 : TB=380-430MHz, F2=406-512MHz
- *2 : Flat plate equivalent.
- *3 : Flat plate equivalent.
- *4 : Values based on 100mph and 0 inches of ice.
- *5 : Values based on 100mph and 0 inches of ice.
- *6 : Values based on 100mph and 0 inches of ice.

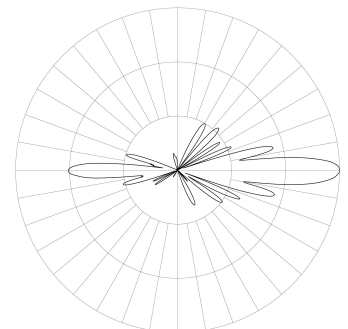
Ordering Information

2 x #130 clamps recommended (not included).
Available in 12 degree downtilts- Order time may vary, please contact Sinclair customer service.

Mechanical Specifications

Length/ Height	mm (in)	5182 (204)
Width	mm (in)	305 (12)
Depth	mm (in)	89 (3.5)
Shipping dimensions	mm (in)	(209x5x24in)
Weight	kg (lbs)	20.9 (46)
Shipping weight	kg (lbs)	36.3 (80)
Connector		N (male)
Base pipe diameter	mm (in)	60 (2.4)
Base pipe mounting length	mm (in)	1219 (48)
Mounting hardware		clamps not supplied

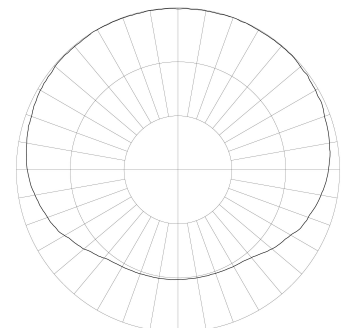
SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Azimuth
Relative Gain - 10 dB per Division

Environmental Specifications

Projected area (Flat Plate Equivalent)	m ² (ft ²)	0.3 (3.19)	*2
Projected area (ice)	m ² (ft ²)	0.49 (5.25)	*3
Lateral thrust (100mph)	N (lbs)	573.8 (129)	*4
Torsional moment	Nm (ft-lbs)	28.4 (21)	*5
Bending moment	Nm (ft-lbs)	1009.8 (748)	*6

www.sinctech.com