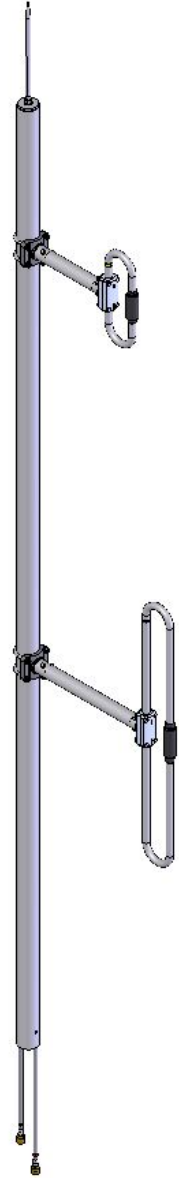


SD310/210D-SF2P2/P4SNM(B-LS) UHF/VHF, 1 dipole, 2.0/2.5 dBd, LS, 406-512 & 138-174 MHz

- UHF/VHF dual antenna, two feed cables, 30 dB port to port isolation
- UHF section covers 406-512 MHz with 2.0 dBd gain, bi-directional pattern
- VHF section covers 138-174 MHz with 2.5 dBd gain, offset pattern
- Lightning spike equipped, top mount

Sinclair's SD310/210D series of antennas are available for customers who must choose antenna configurations that provide high-quality signal coverage, minimize tower wind loading and minimize required tower space.

This series of stacked antenna systems are a great way to accomplish these goals. The SD310/210D series of stacked VHF over UHF exposed dipole antennas not only maximize system performance but also significantly reduce installation costs.



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range 1 (F1)	MHz	406 to 512	
Frequency Range 2 (F2)	MHz	138 to 174	
Connector		N-Male	
Gain (nominal)		2/2.5 dBd	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Bi-directional/ Offset	*2
Isolation (typ)	dB	30	
Vertical beamwidth (typ)	degrees	68	
Average Power Input (max)	W	75 / 200	*3
Lightning protection		DC ground	

### Notes

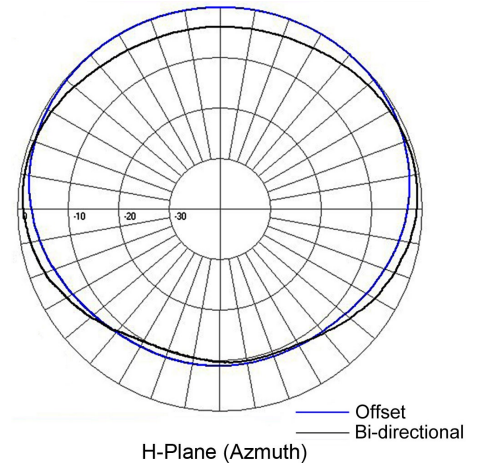
- \*1 : UHF 2.0 dBd; VHF 2.5 dBd
- \*2 : UHF bi-directional; VHF offset
- \*3 : 75 Watts for UHF; 200 Watts for VHF
- \*4 : Qty 2 required

### Mechanical Specifications

Width	in (mm)	22.5 (572)	
Depth	in (mm)	3.5 (89)	
Length/ Height	in (mm)	132 (3353)	
Base pipe diameter	in (mm)	2.38 (60)	
Base pipe mounting length	in (mm)	30 (762)	
Radiating element material		aluminum	
Weight	lbs (kg)	18 (8.17)	
Weight iced (1/2" ice)	lbs (kg)	45 (20.43)	
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*4
Actual shipping weight	lbs (kg)	48 (21.79)	
Shipping dimensions	in (mm)	124x25x4 (3150x635x102)	
Mounting configurations		top mount	

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.8 (0.17)
Wind Loading Area (1/2" ice)	ft² (m²)	3 (0.28)
Rated wind velocity (no ice)	mph (km/h)	205 (330)
Rated wind velocity (1/2" radial ice)	mph (km/h)	130 (209)
Lateral thrust (100 mph No Ice)	lbs (N)	70 (311.4)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	26 (35.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	161 (217.4)
Tip deflection (100 mph No Ice)	degrees	0.4



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