

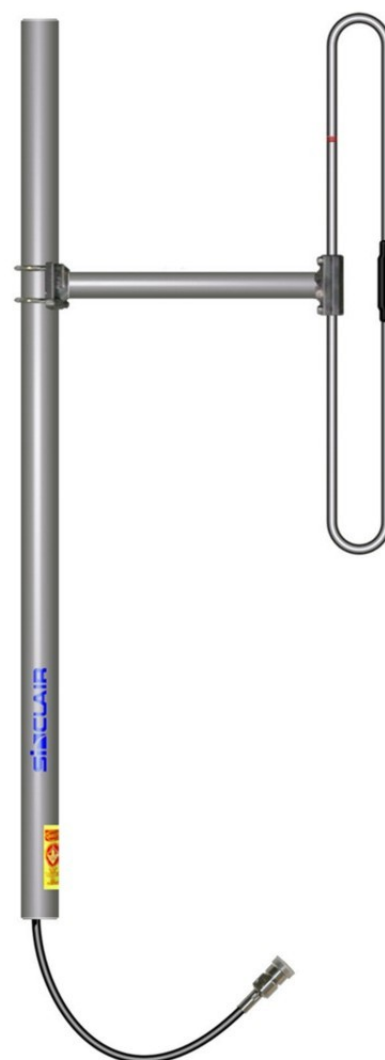
**SD210-HF2P2LDF(B-ABK)** 1 dipole, 1.5 dBd, low PIM, HD, ABK, 138-174 MHz

- 1-bay dipole antenna with industry-leading -150dBc PIM rating
- 1.5 dBd gain with elliptical pattern
- Heavy duty rating with 300W power handling
- Top mount, black anodized

**Recommend SMK-425-A3-T3 or SMK-425-A7-T3 for Offset Side Mount.  
Available from Sinclair separately.**

The SD210-HL series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-137, 138-174 MHz, and 190-225 MHz at a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210-HL series is perfectly suited for multicoupled systems.

The SD210-HL is also a low PIM antenna which use industry-leading designs that offers excellent bandwidth and high reliability, and is of heavy duty construction, able to withstand wind speeds of greater than 150 mph with no ice.



Non-ABK version shown.

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 017962 Customer Tech Manual 005862		SD210-HF2P2LDF(B-ABK)	Issue: 2	Dated: 14-12-16 Dated: 21-09-15

#### Electrical Specifications

Frequency Range	MHz	138 to 174
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	1.5 (3.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	$\Omega$	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	68
Average Power Input (max)	W	300
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground

#### Notes

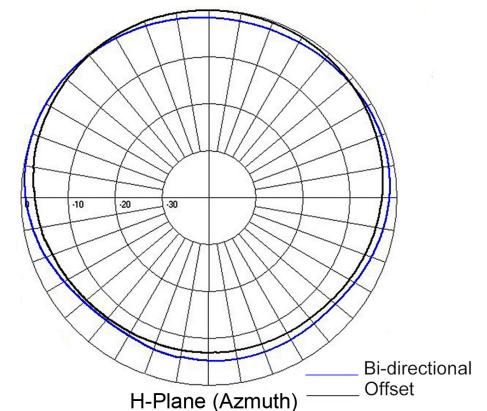
\*1 : Qty 2

#### Mechanical Specifications

Width	in (mm)	42.1 (1069)
Depth	in (mm)	3 (76)
Length/ Height	in (mm)	60 (1524)
Base pipe diameter	in (mm)	1.9 (48)
Radiating element material		aluminum
Base pipe material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	16 (7.26)
Weight iced (1/2" ice)	lbs (kg)	34 (15.44)
Mounting information		Upright
Mounting Hardware (Optional)		Clamp147 or Clamp015
Actual shipping weight	lbs (kg)	31 (14.07)
Shipping dimensions	in (mm)	63x4x42 (1600x102x1067)
Mounting configurations		Bottom mount
Recommended For Offset Side Mount:		Not Required

#### Ordering Information

Available in 2 and 4 degree downtilts- order times may vary, please contact Sinclair customer service.



#### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft <sup>2</sup> (m <sup>2</sup> )	1.16 (0.11)
Wind Loading Area (1/2" ice)	ft <sup>2</sup> (m <sup>2</sup> )	1.94 (0.18)
Rated wind velocity (no ice)	mph (km/h)	225 (362)
Rated wind velocity (1/2" radial ice)	mph (km/h)	175 (282)
Lateral thrust (100 mph No Ice)	lbs (N)	42.2 (187.7)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	52.1 (70.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	64.8 (87.5)
Tip deflection (100 mph No Ice)	degrees	0.4

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