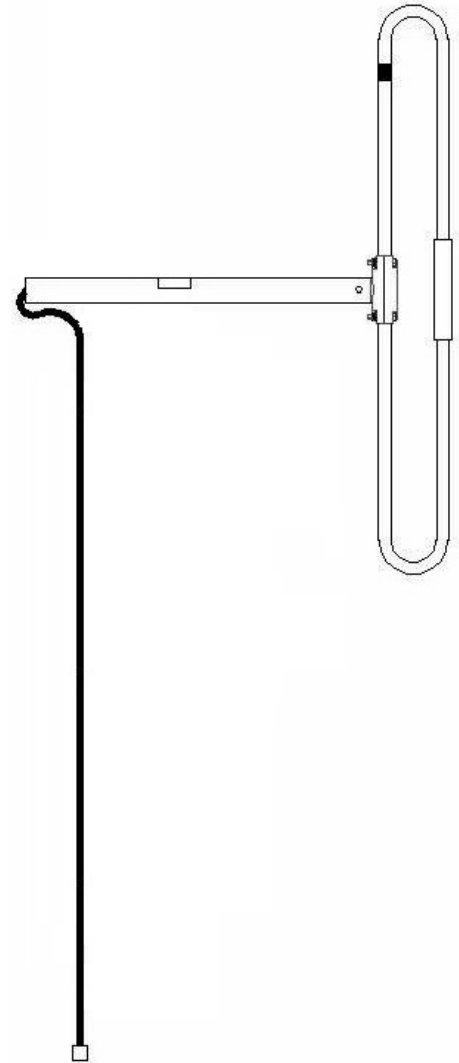


SD210-SF2PASNM(LM-ABK) 1 dipole, 2/2.5 dBd, field adjustable, black anodized, 138-174 MHz

- 1-bay dipole antenna that covers the 138-174 MHz band
- 2.0 gain with bi-directional pattern, 2.5dBd gain with offset pattern - field adjustable
- 200W power handling
- Black anodized

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

The pattern of this antenna can be easily adjusted in the field thanks to the external cable harness design.



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	138 to 174	
Bandwidth	MHz	36	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	2.5 (4.6)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Offset or Bi-directional	
Horizontal beamwidth (typ)	degrees	210	*2
Vertical beamwidth (typ)	degrees	68	
Average Power Input (max)	W	200	
Lightning protection		DC ground	

### Notes

- \*1 : 2.0 dBd for bi-directional configuration
- \*2 : For offset only

### Mechanical Specifications

Width	in (mm)	35 (889)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	40 (1016)
Radiating element material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	4.6 (2.09)
Actual shipping weight	lbs (kg)	10 (4.54)
Shipping dimensions	in (mm)	44x40x8 (1118x1016x203)

### Ordering Information

Clamp must be purchased separately.

### 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> )	0.5 (0.05)
Wind Loading Area (1/2" ice)	ft <sup>2</sup> (m <sup>2</sup> )	1.1 (0.1)
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	115 (185)
Lateral Thrust (100 mph No Ice)	lbs (N)	20 (89)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	35 (47.3)

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