

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

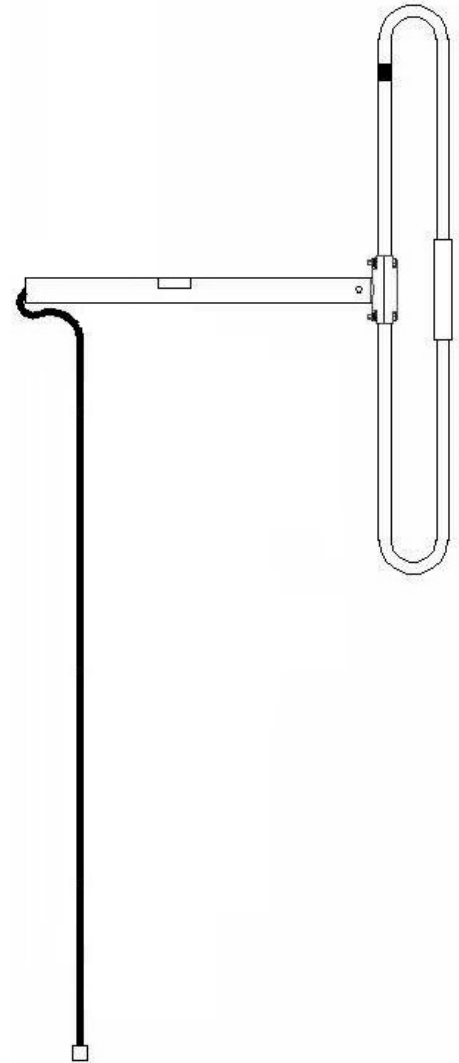
- 1-bay dipole antenna that covers the 138-174 MHz band
- 2.0 gain with bi-directional pattern, 2.5dBd gain with offset pattern - field adjustable
- 200W power handling

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 multi-coupled systems.

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

Also available with an N-Female connector.

Model Name: SD210-SF2PASNF(LM)



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 015708 Customer Tech Manual 006185		SD210-SF2PASNM(LM)	Issue: 2	Dated: 01-05-18 Dated: 01-05-18

#### Electrical Specifications

Frequency Range	MHz	138 to 174	
Bandwidth	MHz	36	
Connector		N-Male	*1
Gain (nominal)	dBd (dBi)	2.5 (4.6)	*2
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Offset or Bi-directional	
Horizontal beamwidth (typ)	degrees	210	*3
Vertical beamwidth (typ)	degrees	68	
Average Input Power (max)	W	200	
Lightning protection		DC ground	

#### Notes

- \*1 : Also available with an N-Female connector.
- \*2 : 2.0 dBd for bi-directional configuration
- \*3 : 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
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)	ft² (m²)	0.5 (0.05)
Wind Loading Area (1/2" ice)	ft² (m²)	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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