

SD210-SF5P4SN(X) 1 dipole, 2.5 dBd, offset, 180-210 MHz

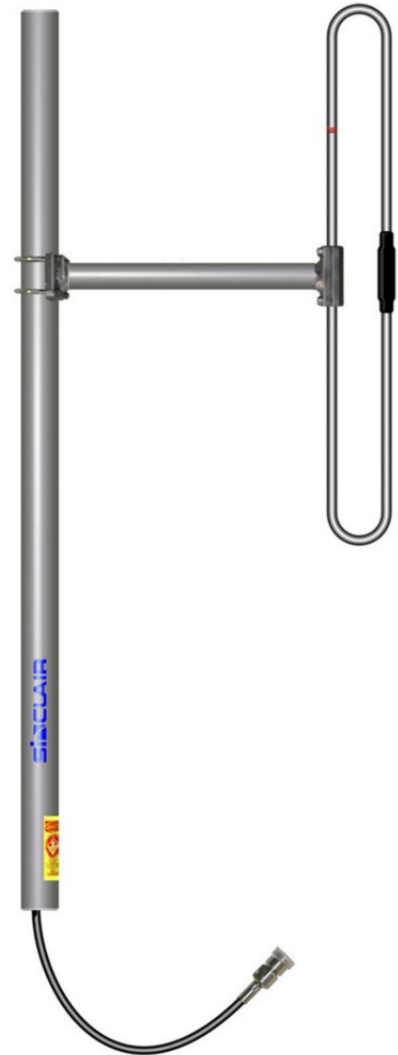
- Covers the entire 180-210 MHz band
- 2.5 dBd gain with offset pattern
- Can be top or side mount (Universal mount)

The SD210 series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-137, 138-174 MHz, or 180-210 MHz at a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multicoupled systems.

Two model variants of this rugged antenna are available: Pattern adjustable version with external cable harness enabling its pattern to be changed in the field; and the fixed pattern versions (such as the 1/2 and 1/4 wave options), which cannot be adjusted in the field as the cable harness is inside the mast and dipole booms.

When ordering, please refer to the list below for part# and specific configurations.

Part#	Frequency range	Connector
SD210-SF5P4SNM	270-300 MHz	N(m)
SD210-SF5P4SNF	270-300 MHz	N(f)



Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	180 to 210	
Bandwidth	MHz	30	
Connector		Various options avail.	*1
Gain (nominal)	dBd (dBi)	2.5 (4.6)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Offset	
Horizontal beamwidth (typ)	degrees	210	
Vertical beamwidth (typ)	degrees	68	
Average Input Power (max)	W	175	
Lightning protection		DC ground	

Notes

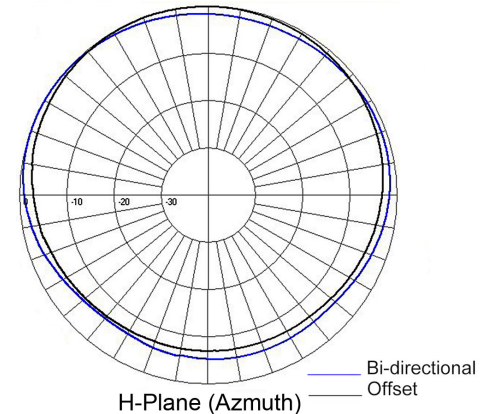
- *1 : See previous page for details
- *2 : Qty 2 required

Mechanical Specifications

Width	in (mm)	19.5 (495)	
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	
Weight	lbs (kg)	8.1 (3.68)	
Mounting configurations		Universal Mount	
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*2
Kit For Offset Side Mount (straight tower leg)		SMK-125-A3 or SMK-125-A7	
Actual shipping weight	lbs (kg)	15 (6.81)	
Shipping dimensions	in (mm)	63x4x24 (1600x102x610)	

Ordering Information

Clamps must be ordered separately.



Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.85 (0.08)
Wind Loading Area (1/2" ice)	ft² (m²)	1.46 (0.14)
Rated wind velocity (no ice)	mph (km/h)	225 (362)
Rated wind velocity (1/2" radial ice)	mph (km/h)	145 (233)
Lateral Thrust (100 mph No Ice)	lbs (N)	30.9 (137.2)

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