

SD210-SF6P4SN(X) 1 dipole, 2.5 dBd, offset, N-Female connector, 270-300 MHz

- Covers 270-300 MHz frequency
- 2.5 dBd gain with offset pattern
- Can be top or side mount (Universal mount)

**Recommend SMK-125-A3 or SMK-125-A7 for Offset Side Mount.
Available from Sinclair separately.**

The SD210 series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges from 118 to 300 MHz with a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multi-coupled systems.

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

Part#	Frequency range	Connector
SD210-SF6P4SNM	270-300 MHz	N(m)
SD210-SF6P4SNF	270-300 MHz	N(f)



www.sinclaire.com

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinclaire.com	salesuk@sinclaire.com	salescan@sinclaire.com	salesasia@sinclaire.com
Product Specification Sheet		SD210-SF6P4SN(X)	Issue: 0	Dated: 28-01-22
EPR				Dated: 28-01-22
Customer Tech Manual				

Electrical Specifications

Frequency Range	MHz	270 to 300	
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

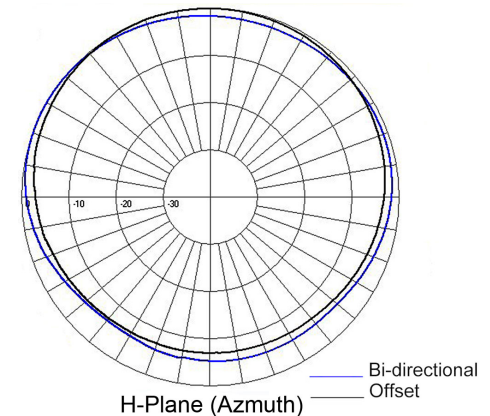
- *1 : See previous page for details
- *2 : variance ±10%.
- *3 : variance ±10%.
- *4 : 0.5" radial ice
- *5 : Qty 2 required

Mechanical Specifications

Width	in (mm)	15 (381)	*2
Depth	in (mm)	3 (76)	
Length/ Height	in (mm)	50 (1270)	*3
Base pipe diameter	in (mm)	1.9 (48)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	7.6 (3.45)	
Weight iced (1/2" ice)	lbs (kg)	20 (9.08)	*4
Mounting configurations		Universal Mount	
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*5
Kit For Offset Side Mount (straight tower leg)		SMK-125-A3 or SMK-125-A7	
Actual shipping weight	lbs (kg)	17 (7.72)	
Shipping dimensions	in (mm)	78x24x6 (1981x610x152)	

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)	0.7 (0.07)
Wind Loading Area (1/2" ice)	ft² (m²)	1.2 (0.11)
Rated wind velocity (no ice)	mph (km/h)	240 (386)
Rated wind velocity (1/2" radial ice)	mph (km/h)	175 (282)
Lateral Thrust (100 mph No Ice)	lbs (N)	25 (111.2)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	6 (8.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	12 (16.2)
Tip deflection (100 mph No Ice)	degrees	0.1

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