

SD210-SF3P2SNM 1 dipole, 2.0 dBd, bi-directional, 190-225 MHz

- Covers 190-225 MHz band
- 2.0 dBd gain with bi-directional 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 of 118-137, 138-174, or 190-225 MHz with a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multicoupled systems.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

#### Electrical Specifications

Frequency Range	MHz	190 to 225
Bandwidth	MHz	35
Connector		N-Male
Gain (nominal)	dBd (dBi)	2 (4.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	93
Average Power Input (max)	W	175
Lightning protection		DC ground

#### Notes

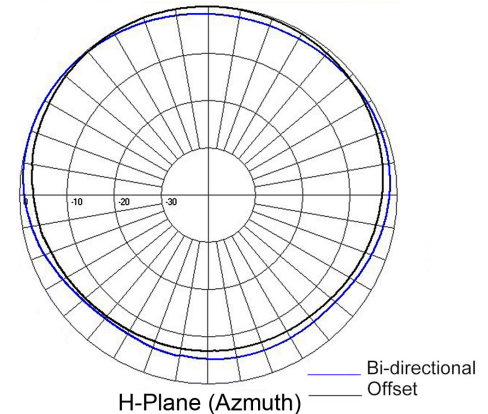
- \*1 : 0.5" radial ice
- \*2 : Qty 2 required
- \*3 : 0.5" radial ice
- \*4 : Value based on 100 mph with 0" ice.
- \*5 : Value based on 100 mph with 0" ice.
- \*6 : Value based on 100 mph with 0" ice.
- \*7 : Value based on 100 mph with 0" ice.

#### Mechanical Specifications

Width	in (mm)	31 (787)
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)	9.4 (4.27)
Weight iced (1/2" ice)	lbs (kg)	25.1 (11.4) *1
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *2
Actual shipping weight	lbs (kg)	22.3 (10.12)
Shipping dimensions	in (mm)	78x36x6 (1981x914x152)
Mounting configurations		Universal Mount
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7

#### 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)	0.91 (0.08)
Wind Loading Area (1/2" ice)	ft² (m²)	1.59 (0.15) *3
Rated wind velocity (no ice)	mph (km/h)	235 (378)
Rated wind velocity (1/2" radial ice)	mph (km/h)	170 (274)
Lateral thrust (100 mph No Ice)	lbs (N)	33.7 (149.9) *4
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	23.8 (32.1) *5
Bending moment (100 mph No Ice)	ft-lbs (Nm)	33.1 (44.7) *6
Tip deflection (100 mph No Ice)	degrees	0.06 *7

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