

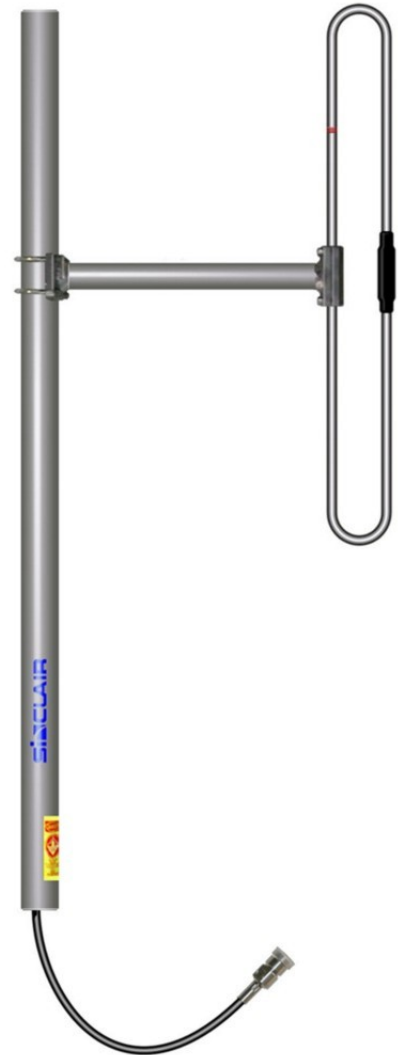
SD210-SF1P2LDF 1 dipole, 1.5 dBd, low PIM, bi-directional, 118-138 MHz

- 1-bay dipole antenna with -150dBc PIM rating
- Covers 118-138 MHz
- 1.5 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-L series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-138, 138-174, and 190-225 MHz with a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210-L series is perfectly suited for multicoupled systems.

The SD210-L is also a low PIM antenna which use industry-leading designs that offers excellent bandwidth and high reliability.



www.sincltech.com

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@sincltech.com	salesuk@sincltech.com	salesla@sincltech.com	salescan@sincltech.com

Electrical Specifications

Frequency Range	MHz	118 to 138
Bandwidth	MHz	20
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	1.5 (3.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	68
Average Input Power (max)	W	300
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground

Notes

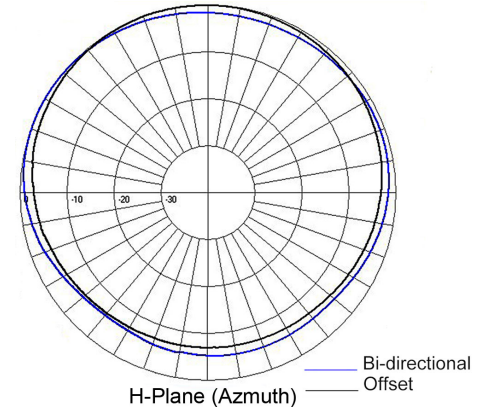
- *1 : 0.5" radial ice
- *2 : Qty 2 required
- *3 : Value based on 100 mph wind with no ice.
- *4 : Value based on 100 mph wind with no ice.
- *5 : Value based on 100 mph wind with no ice.

Mechanical Specifications

Width	in (mm)	47.8 (1214)
Depth	in (mm)	3.5 (89)
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)	11.7 (5.31)
Weight iced (1/2" ice)	lbs (kg)	32 (14.53) *1
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *2
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7
Mounting configurations		Universal Mount
Actual shipping weight	lbs (kg)	31.7 (14.39)
Shipping dimensions	in (mm)	62.4x48x6 (1585x1219x152)

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)	1.09 (0.1)
Wind Loading Area (1/2" ice)	ft² (m²)	1.92 (0.18)
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)	44 (195.7) *3
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	64 (86.4) *4
Bending moment (100 mph No Ice)	ft-lbs (Nm)	41 (55.4) *5

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