

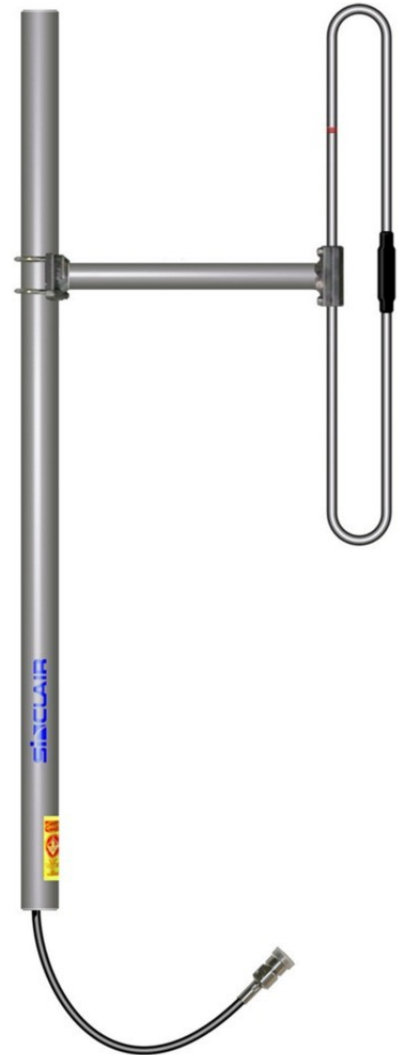
SD210-SF1P4LDF 1 dipole, 2.0 dBd, low PIM, offset, 118-138 MHz

- 1-bay dipole antenna with -150dBc PIM rating
- Covers 118-138 MHz
- 2.0 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-L series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-138, 138-174, or 109-225 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 low PIM antennas use industry-leading designs that offers excellent bandwidth and high reliability



| 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) | 2 (4.1) |
| Input VSWR (max) | | 1.5:1 |
| Polarization | | vertical |
| Impedance | Ω | 50 |
| Pattern | | Offset |
| Horizontal beamwidth (typ) | degrees | 210 |
| Vertical beamwidth (typ) | degrees | 68 |
| Average Power Input (max) | W | 300 |
| Passive intermod. (2x20W, 3rd ord.) | dBc | -150 |
| Lightning protection | | DC ground |

Notes

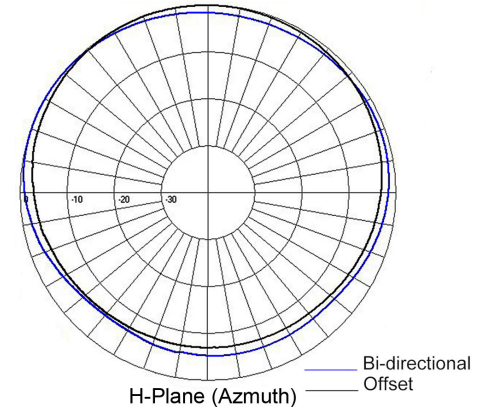
- *1 : 0.5" radial ice
- *2 : Qty 2 required
- *3 : 0.5" radial ice
- *4 : Value based on 100 mph wind with no ice.
- *5 : Value based on 100 mph wind with no ice.
- *6 : Value based on 100 mph wind with no ice.

Mechanical Specifications

| | | | |
|------------------------------------|----------|---------------------------------|----|
| Width | in (mm) | 25.88 (657) | |
| 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) | 10.3 (4.68) | |
| Weight iced (1/2" ice) | lbs (kg) | 27.5 (12.49) | *1 |
| Mounting Hardware (Optional) | | Clamp005, Clamp015, or Clamp130 | *2 |
| Actual shipping weight | lbs (kg) | 24.5 (11.12) | |
| Shipping dimensions | in (mm) | 62.4x30x6 (1585x762x152) | |
| 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) | ft ² (m ²) | 1.01 (0.09) | |
| Wind Loading Area (1/2" ice) | ft ² (m ²) | 1.79 (0.17) | *3 |
| Rated wind velocity (no ice) | mph (km/h) | 195 (314) | |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 125 (201) | |
| Lateral thrust (100 mph No Ice) | lbs (N) | 36.8 (163.5) | *4 |
| Torsional moment (100 mph No Ice) | ft-lbs (Nm) | 25.88 (34.9) | *5 |
| Bending moment (100 mph No Ice) | ft-lbs (Nm) | 35.66 (48.1) | *6 |

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