

SD214-SF1P4S(XX)(D00) 4 dipole, 8.5 dBd, offset, N-Male, 118-138 MHz

Also referred as: SRL210C4*1-4

- Covers the entire 118-138 MHz frequency range
- 8.5 dBd gain with offset pattern
- 300 Watts power handling
- Can be top or side mounted

The SD214 series is a rugged 4-bay exposed dipole antenna designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety applications.

The design of these antennas provides for coverage between 118 to 225 MHz in 3 sub bands, 118-138 MHz for civil aviation applications, 138-174 MHz for private mobile networks, public safety, and 220-225 MHz for transportation networks.

The connector is terminated on a 1 foot cable.

| | |
|---------------------|-----------|
| Model number | Connector |
| SD214-SF1P4SNF(D00) | N-female |
| SD214-SF1P4SNM(D00) | N-male |



Antenna may not appear exactly as shown

| Region | United States | Europe, Middle East, and Africa | Canada, Caribbean, and Latin America | Asia-Pacific |
|-----------|-----------------------|---------------------------------|----------------------------------------------------------|-------------------------|
| Telephone | 1 800 263 3275 | +1 905 727 0165 ext 232 | Canada: 1 905 726 7676 International: +1 905 726 7676 | +1 905 727 0165 ext 287 |
| E-mail | salesusa@sinctech.com | salesemea@sinctech.com | salescan@sinctech.com | salesasia@sinctech.com |

Electrical Specifications

| | | |
|----------------------------|-----------|-----------------------------|
| Frequency Range | MHz | 118 to 138 |
| Connector | | N-Male |
| Gain (nominal) | dBd (dBi) | 8.5 (10.6) |
| Input VSWR (max) | | 1.5:1 |
| Polarization | | vertical |
| Impedance | Ω | 50 |
| Pattern | | Offset |
| Horizontal beamwidth (typ) | degrees | 210 |
| Vertical beamwidth (typ) | degrees | 17 |
| Average Input Power (max) | W | 300 |
| Grounding | | All metal parts DC-grounded |

Notes

- *1 : Qty 2
*2 : Not included, available separately

Mechanical Specifications

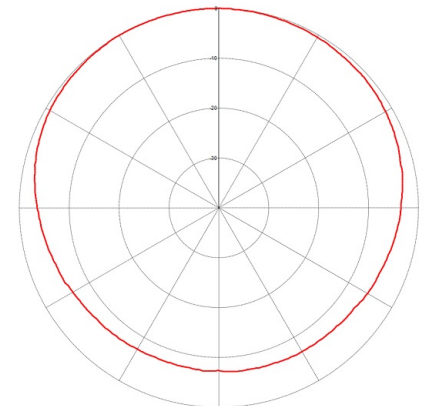
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|------------------------------------------------|----------|---------------------------------|----|
| Width | in (mm) | 25.2 (640) | |
| Depth | in (mm) | 5 (127) | |
| Length/ Height | in (mm) | 240 (6096) | |
| Base pipe diameter | in (mm) | 2.38 (60) | |
| Radiating element material | | aluminum | |
| Base pipe material | | aluminum | |
| Weight | lbs (kg) | 61 (27.69) | |
| Mounting Hardware (Optional) | | Clamp005, Clamp015, or Clamp130 | *1 |
| Mounting configurations | | Top mount or side mount | |
| Kit for Offset Side Mount (straight tower leg) | | SMK-125-A3 or SMK-125-A7 | *2 |
| Actual shipping weight | lbs (kg) | 82 (37.23) | |
| Shipping dimensions | in (mm) | 256x28x6 (6502x711x152) | |

Environmental Specifications

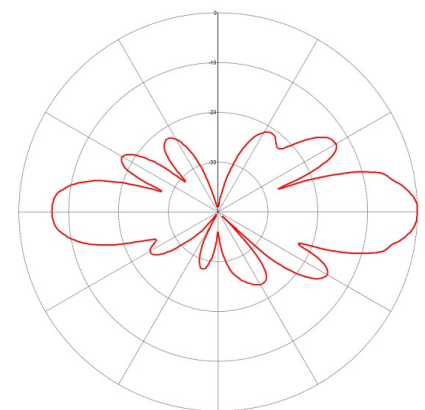
| | | |
|-------------------------------------------|-------------|--------------------------|
| Temperature range | °F (°C) | -40 to +140 (-40 to +60) |
| Wind Loading Area (Flat Plate Equivalent) | ft² (m²) | 4.3 (0.4) |
| Wind Loading Area (1/2" ice) | ft² (m²) | 7.2 (0.67) |
| Rated wind velocity (no ice) | mph (km/h) | 125 (201) |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 90 (145) |
| Lateral Thrust (100 mph No Ice) | lbs (N) | 155 (689.4) |
| Torsional moment (100 mph No Ice) | ft-lbs (Nm) | 91 (122.9) |
| Bending moment (100 mph No Ice) | ft-lbs (Nm) | 785 (1059.8) |
| Tip deflection (100 mph No Ice) | degrees | 2.9 |

Ordering Information

Clamps must be ordered separately.



Horizontal



Vertical

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