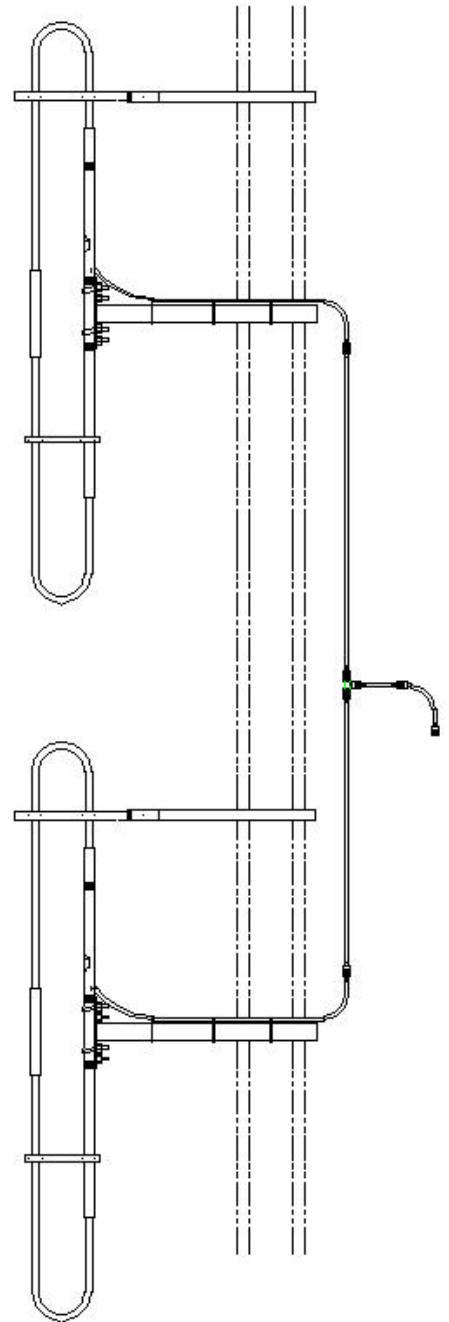


**SD112-SF2PASNM(FXXXX)** Dual stacked exposed dipole, 5.5 dBd, 10% B.W., 35.5-61.5 MHz

Also referred as: SRL110A-2

- Covers 35.5-61.5 MHz with a 10% bandwidth for a VSWR of 1.5:1
- 5.5 dBd gain with offset pattern
- Dual stacked low band exposed dipole
- 300W power handling

The SD112 is a two dipole array for side mounting on a supporting structure. The SD112 series is supplied with a special welded boom and anti-torque support. Due to the many mounting possibilities, mounting hardware is not supplied with these antennas. Engineering assistance will be provided in the selection of the proper hardware.



Antenna may not appear exactly as picture.

| 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<br>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       | 35.5 to 61.5 |
| Connector                 |           | N-Male       |
| Gain (nominal)            | dBd (dBi) | 5.5 (7.6)    |
| Input VSWR (max)          |           | 1.5:1        |
| Polarization              |           | vertical     |
| Pattern                   |           | Offset       |
| Vertical beamwidth (typ)  | degrees   | 34           |
| Average Power Input (max) | W         | 300          |
| Lightning protection      |           | DC ground    |

#### Notes

- \*1 : Max
- \*2 : Max
- \*3 : Max
- \*4 : Qty 8
- \*5 : Max
- \*6 : Recommend Clamp017

#### Mechanical Specifications

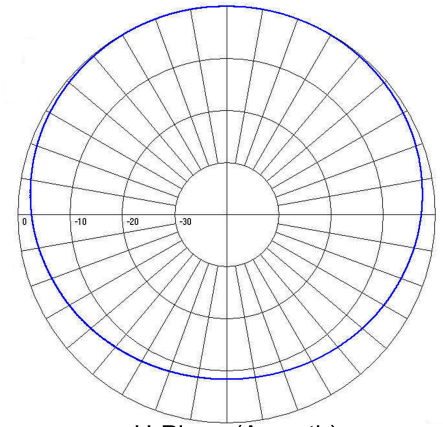
|                              |          |                                 |    |
|------------------------------|----------|---------------------------------|----|
| Width                        | in (mm)  | 81 (2057)                       |    |
| Depth                        | in (mm)  | 3.5 (89)                        |    |
| Length/ Height               | in (mm)  | 386 (9804)                      | *1 |
| Base pipe diameter           | in (mm)  | 1.9 (48)                        |    |
| Radiating element material   |          | aluminum                        |    |
| Weight                       | lbs (kg) | 49.3 (22.38)                    | *2 |
| Weight iced (1/2" ice)       | lbs (kg) | 133 (60.38)                     | *3 |
| Mounting Hardware (Optional) |          | Clamp017, Clamp033, or Clamp130 | *4 |
| Estimated Shipping Weight    | lbs (kg) | 62 (28.15)                      |    |
| Shipping dimensions          | in (mm)  | 150x7x16 (3810x178x406)         | *5 |
| Mounting hardware            |          | clamps not supplied             | *6 |

#### Ordering Information

Specify frequency of operation.

#### Environmental Specifications

|   |             |                          |
|---|-------------|--------------------------|
| Temperature range                         | °F (°C)     | -40 to +140 (-40 to +60) |
| Wind Loading Area (Flat Plate Equivalent) | ft² (m²)    | 8.4 (0.78)               |
| Wind Loading Area (1/2" ice)              | ft² (m²)    | 12.5 (1.16)              |
| Rated wind velocity (no ice)              | mph (km/h)  | 140 (225)                |
| Rated wind velocity (1/2" radial ice)     | mph (km/h)  | 100 (161)                |
| Lateral thrust (100 mph No Ice)           | lbs (N)     | 109 (484.8)              |
| Bending moment (100 mph No Ice)           | ft-lbs (Nm) | 254 (342.9)              |



H-Plane (Azimuth)

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| E-mail    | salesusa@sinctech.com | salesuk@sinctech.com                 | salesla@sinctech.com           | salescan@sinctech.com                                    |