

SE419-SWBP2LNF(D00) Enclosed 9 dipole array, 10 dBd, bi-directional, Low PIM, 746-960 MHz, NF

- Excellent low intermodulation performance and wide bandwidth
- Bi-directional configuration
- Clamps for mechanical downtilt can be ordered separately
- Electric downtilt is available upon request

One antenna for your 700, 800, 900 MHz systems. Sinclair's SE419-WBL series of enclosed dipole arrays offer excellent intermodulation performance covering 746-960 MHz in a single antenna.

The SE419-WBL series is also available with field adjustable reflectors that provide horizontal beamwidths between 60 and 160 degrees (See SE419-WBAL). The creative design and construction permits excellent pattern control, greater efficiency and high front-to-back ratio.



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| 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 |
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Electrical Specifications

| | | |
|-------------------------------------|-----------|--------------------|
| Frequency Range | MHz | 746 to 960 |
| Bandwidth | MHz | 214 |
| Connector | | N-Female |
| Gain (nominal) | dBd (dBi) | 10 (12.1) |
| Input VSWR (max) | | 1.5:1 |
| Polarization | | vertical |
| Impedance | Ω | 50 |
| Pattern | | Bi-directional |
| Horizontal beamwidth (typ) | degrees | 206 |
| Vertical beamwidth (typ) | degrees | 7 |
| Average Power Input (max) | W | 500 |
| Passive intermod. (2x20W, 3rd ord.) | dBc | -150 |
| Lightning protection | | DC ground |
| PIP(KW, max) | | 25 |
| Electrical tilt (available) | | 0,2,4,or 6 degrees |

Notes

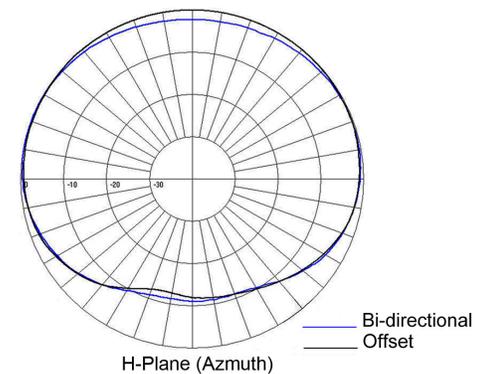
- *1 : Clamps not included in measurement.
- *2 : Clamps not included in measurement.

Mechanical Specifications

| | | | |
|------------------------------|----------|--------------------------|----|
| Depth | in (mm) | 8.5 (216) | *1 |
| Length/ Height | in (mm) | 103 (2616) | |
| Width | in (mm) | 2.88 (73) | *2 |
| Weight | lbs (kg) | 24 (10.9) | |
| Weight iced | lbs (kg) | 61 (27.69) | |
| Mounting Hardware (Standard) | | Clamp130 | |
| Actual Shipping weight | lbs (kg) | 34 (15.44) | |
| Shipping dimensions | in (mm) | 108x13x15 (2743x330x381) | |
| Mounting configurations | | upright | |

Environmental Specifications

| | | |
|---|-------------|--------------------------|
| Temperature range | °F (°C) | -40 to +140 (-40 to +60) |
| Wind Loading Area (Flat Plate Equivalent) | ft² (m²) | 5.9 (0.55) |
| Wind Loading Area (1/2" ice) | ft² (m²) | 7.5 (0.7) |
| Rated wind velocity (no ice) | mph (km/h) | 175 (282) |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 150 (242) |
| Lateral thrust (100 mph No Ice) | lbs (N) | 239 (1063.1) |
| Torsional moment (100 mph No Ice) | ft-lbs (Nm) | 97 (131) |



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