

SC225M-HF2SNM Collinear omni, 0 dBd, HD, N-Male connector, 138-148 MHz

Also referred as: SRL225MNFHD*2

- Collinear Omni antenna
- Heavy-duty fiberglass radome
- Light weight

The SC225M-H series of antennas are constructed of high strength fiberglass with aluminum base pipe. The combined features of light weight, unity gain and low cost make this antenna a natural choice for moderate base station antenna requirements.



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| Region | United States | Europe, Middle East, and Africa | Canada, Caribbean, and Latin America | Asia-Pacific |
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Product Specification Sheet
EPR 016440
Customer Tech Manual 005228

SC225M-HF2SNM

Issue: 8

Dated: 21-06-22
Dated: 26-09-13

Electrical Specifications

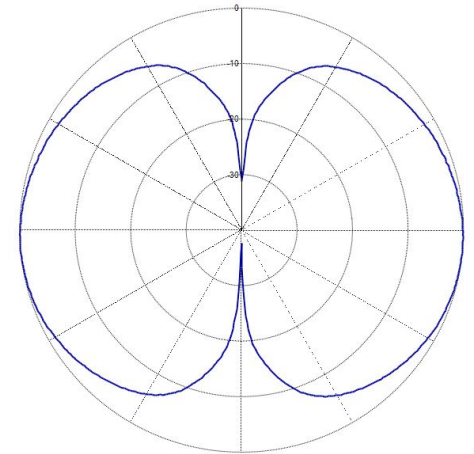
| | | |
|-----------------------------|-----------|----------------------|
| Frequency Range | MHz | 138 to 148 |
| Bandwidth | MHz | 10 |
| Connector | | Cable mounted N-male |
| Gain (nominal) | dBd (dBi) | unity (2.1) |
| Input VSWR (max) | | 1.5:1 |
| Polarization | | vertical |
| Impedance | Ω | 50 |
| Pattern | | Omni-directional |
| Vertical beamwidth (typ) | degrees | 80 |
| Average Input Power (max) | W | 250 |
| Lightning protection | | DC ground |
| Electrical tilt (available) | | 0 degrees |

Notes

*1 : Qty 2

Mechanical Specifications

| | | |
|--|----------|---------------------------|
| Width | in (mm) | 2.5 (64) |
| Length | in (mm) | 69.1 (1755) |
| Base pipe diameter | in (mm) | 2.5 (64) |
| Base pipe mounting length | in (mm) | 12 (305) |
| Radome material | | fiberglass (UV protected) |
| Weight | lbs (kg) | 9.5 (4.31) |
| Weight iced (1/2" ice) | lbs (kg) | 47 (21.34) |
| Mounting Hardware (Included) | | Clamp005 |
| Mounting configurations | | upright, inverted |
| Kit for Offset Side Mount (straight tower leg) | | Not Required |
| Actual shipping weight | lbs (kg) | 18 (8.17) |
| Shipping dimensions | in (mm) | 72x3x5 (1829x76x127) |



Environmental Specifications

| | | |
|---|-------------|--------------------------|
| Temperature range | °F (°C) | -40 to +140 (-40 to +60) |
| Wind Loading Area (Flat Plate Equivalent) | ft² (m²) | 0.66 (0.06) |
| Wind Loading Area (1/2" ice) | ft² (m²) | 1.53 (0.14) |
| Rated wind velocity (no ice) | mph (km/h) | 175 (282) |
| Rated wind velocity (1/2" radial ice) | mph (km/h) | 125 (201) |
| Lateral Thrust (100 mph No Ice) | lbs (N) | 26 (115.6) |
| Bending moment (100 mph No Ice) | ft-lbs (Nm) | 37 (50) |
| Tip deflection (100 mph No Ice) | degrees | 0.15 |

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