

SC433-L - PIM Certified Collinear omni antenna, 2.5 dBd gain, low PIM, HD, 750-960 MHz

- Low profile with high power handling capability
- Low passive intermodulation
- Durable heavy duty long lasting fiberglass radome construction

The SC433 offers moderate gain for use in cellular, paging and data systems where omni-directional coverage is required, or additional power-handling capability is needed.

| Model | Description | Pattern |
|------------------------------|--|------------------|
| SC433-HF1LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 806-869 MHz | Omni-directional |
| SC433-HF2LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 824-896 MHz | Omni-directional |
| SC433-HF3LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 890-940 MHz | Omni-directional |
| SC433-HF4LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 928-960 MHz | Omni-directional |
| SC433-HF5LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 750-806 MHz | Omni-directional |
| SC433-HF6LDF | 2.5 dBd gain, 7/16 DIN (female) connector, 902-928 MHz | Omni-directional |



www.sinctech.com

| 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) 1223 42 03 03 | International: +1 905 726 7676 | Canada: 1 800 263 3275 International: +1 905 727 0165 |
| E-mail | salesusa@sinctech.com | salesuk@sinctech.com | salesla@sinctech.com | salescan@sinctech.com |
| Product Specification Sheet | | SC433-L - PIM Certified | | Dated: 05-02-10 |

[SC433-HF1LDF](#)

[SC433-HF2LDF](#)

[SC433-HF3LDF](#)

[SC433-HF4LDF](#)

Electrical Specifications

| | | | | |
|--|------------------|------------------|------------------|------------------|
| Frequency Range, MHz | 806 to 869 | 824 to 896 | 890 to 940 | 928 to 960 |
| Gain (nominal), dBd (dBi) | 2.5 (4.6) | 2.5 (4.6) | 2.5 (4.6) | 2.5 (4.6) |
| Input VSWR (max) | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 |
| Polarization | vertical | vertical | vertical | vertical |
| Pattern | Omni-directional | Omni-directional | Omni-directional | Omni-directional |
| Vertical beamwidth, degrees | 33 | 33 | 33 | 33 |
| Average Power Input (max), W | 500 | 500 | 500 | 500 |
| Passive intermod. (2x20W, 3rd ord.), dBc | -150 | -150 | -150 | -150 |
| Lightning protection | DC ground | DC ground | DC ground | DC ground |

Mechanical Specifications

| | | | | |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Connector | 7/16 DIN (female) | 7/16 DIN (female) | 7/16 DIN (female) | 7/16 DIN (female) |
| Width, in (mm) | 2.5 (64) | 2.5 (64) | 2.5 (64) | 2.5 (64) |
| Depth, in (mm) | 2.5 (64) | 2.5 (64) | 2.5 (64) | 2.5 (64) |
| Base pipe diameter, in (mm) | 2.5 (64) | 2.5 (64) | 2.5 (64) | 2.5 (64) |
| Weight, lbs (kg) | 7.4 (3.4) | 7.4 (3.4) | 7.4 (3.4) | 7.4 (3.4) |
| Actual Shipping weight, lbs (kg) | 25 (11.4) | 25 (11.4) | 25 (11.4) | 25 (11.4) |
| Shipping dimensions, in (mm) | 73x5x6 (1854x127x152) | 73x5x6 (1854x127x152) | 73x5x6 (1854x127x152) | 73x5x6 (1854x127x152) |
| Length, in (mm) | 40.8 (1036) | 40.8 (1036) | 40.8 (1036) | 40.8 (1036) |

Environmental Specifications

| | | | | |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Temperature range, °F (°C) | -22 to +140 (-30 to +60) | -22 to +140 (-30 to +60) | -22 to +140 (-30 to +60) | -22 to +140 (-30 to +60) |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

| | | | | |
|-----------------------------|-----------------------|---------------------------------------|------------------------------------|--|
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SC433-HF5LDF

SC433-HF6LDF

Electrical Specifications

| | | |
|--|------------------|------------------|
| Frequency Range, MHz | 750 to 806 | 902 to 928 |
| Gain (nominal), dBd (dBi) | 2.5 (4.6) | 2.5 (4.6) |
| Input VSWR (max) | 1.5:1 | 1.5:1 |
| Polarization | vertical | vertical |
| Pattern | Omni-directional | Omni-directional |
| Vertical beamwidth, degrees | 33 | 33 |
| Average Power Input (max), W | 500 | 500 |
| Passive intermod. (2x20W, 3rd ord.), dBc | -150 | -150 |
| Lightning protection | DC ground | DC ground |

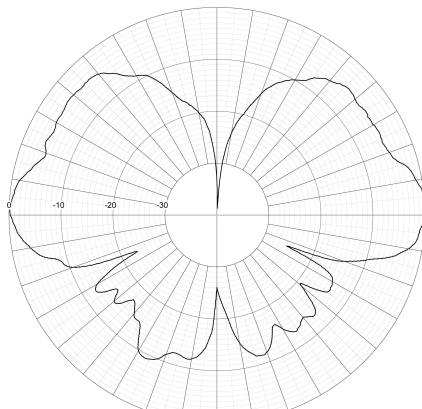
Mechanical Specifications

| | | |
|----------------------------------|-----------------------|-----------------------|
| Connector | 7/16 DIN (female) | 7/16 DIN (female) |
| Width, in (mm) | 2.5 (64) | 2.5 (64) |
| Depth, in (mm) | 2.5 (64) | 2.5 (64) |
| Base pipe diameter, in (mm) | 2.5 (64) | 2.5 (64) |
| Weight, lbs (kg) | 7.4 (3.4) | 7.4 (3.4) |
| Actual Shipping weight, lbs (kg) | 25 (11.4) | 25 (11.4) |
| Shipping dimensions, in (mm) | 73x5x6 (1854x127x152) | 73x5x6 (1854x127x152) |
| Length, in (mm) | 40.8 (1036) | 40.8 (1036) |

Environmental Specifications

| | | |
|----------------------------|--------------------------|--------------------------|
| Temperature range, °F (°C) | -22 to +140 (-30 to +60) | -22 to +140 (-30 to +60) |
|----------------------------|--------------------------|--------------------------|

SINCLAIR TECHNOLOGIES



SC433-HF1LDF

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