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SC433

Collinear omni antenna, 2.5 dBd gain, HD, 750-960 MHz

- Low profile with high power handling capability
- Ideal for in-city microcell applications
- 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-HF1SNF	2.5 dBd gain, N (female) connector, 806-869 MHz	Omni-directional
SC433-HF2SNF	2.5 dBd gain, N (female) connector, 824-896 MHz	Omni-directional
SC433-HF3SNF	2.5 dBd gain, N (female) connector, 890-940 MHz	Omni-directional
SC433-HF4SNF	2.5 dBd gain, N (female) connector, 928-960 MHz	Omni-directional
SC433-HF5SNF	2.5 dBd gain, N (female) connector, 750-806 MHz	Omni-directional
SC433-HF6SNF	2.5 dBd gain, N (female) connector, 902-928 MHz	Omni-directional



www.sinctech.com



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Product Specification Sheet		SC433		Dated: 05-02-10

[SC433-HF1SNF](#)

[SC433-HF2SNF](#)

[SC433-HF3SNF](#)

[SC433-HF4SNF](#)

Electrical Specifications

	SC433-HF1SNF	SC433-HF2SNF	SC433-HF3SNF	SC433-HF4SNF
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
Lightning protection	DC ground	DC ground	DC ground	DC ground

Mechanical Specifications

	SC433-HF1SNF	SC433-HF2SNF	SC433-HF3SNF	SC433-HF4SNF
Connector	N (female)	N (female)	N (female)	N (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

	SC433-HF1SNF	SC433-HF2SNF	SC433-HF3SNF	SC433-HF4SNF
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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Product Specification Sheet		SC433		Dated: 05-02-10

SC433-HF5SNF

SC433-HF6SNF

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
Lightning protection	DC ground	DC ground

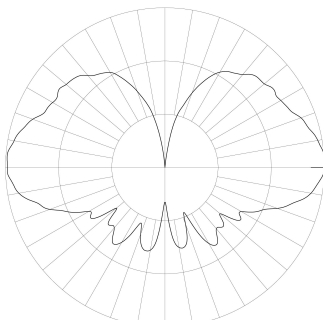
Mechanical Specifications

Connector	N (female)	N (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)
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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)
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SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

SC433-HF1SNF

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