

[< Home](#)
[< Family](#)

SC489

Collinear omni antenna, 9 dBd gain, 806-940 MHz

- Universal mount, upright or inverted
- Electrical downtilt available in 2, 4 & 6 degrees

The SC489 series of antennas offer 9 dBd across its operating bandwidth.

Model	Description	Pattern
SC489-SF1LNF	9 dBd gain, N (female) connector, 806-869 MHz	Omni-directional
SC489-SF2LNF	9 dBd gain, N (female) connector, 824-896 MHz	Omni-directional
SC489-SF3LNF	9 dBd gain, N (female) connector, 890-940 MHz	Omni-directional



www.sinctech.com



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Product Specification Sheet		SC489		Dated: 05-02-10

SC489-SF1LNF

SC489-SF2LNF

SC489-SF3LNF

Electrical Specifications

Frequency Range, MHz	806 to 869	824 to 896	890 to 940
Gain (nominal), dBd (dBi)	9 (11.1)	9 (11.1)	9 (11.1)
Input VSWR (max)	1.5:1	1.5:1	1.5:1
Polarization	vertical	vertical	vertical
Pattern	Omni-directional	Omni-directional	Omni-directional
Vertical beamwidth, degrees	6	6	6
Average Power Input (max), W	500	500	500
Lightning protection	DC ground	DC ground	DC ground
Electrical tilt (available)	0	0	0

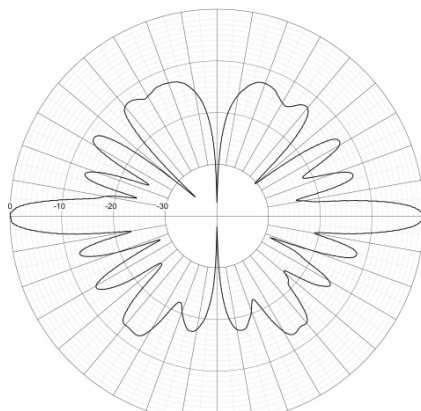
Mechanical Specifications

Connector	N (female)	N (female)	N (female)
Width, in (mm)	2.5 (64)	2.5 (64)	2.5 (64)
Depth, in (mm)	2.5 (64)	2.5 (64)	2.5 (64)
Base pipe diameter, in (mm)	2.5 (64)	2.5 (64)	2.5 (64)
Base pipe mounting length, in (mm)	15 (381)	15 (381)	15 (381)
Weight, lbs (kg)	19.2 (8.7)	19.2 (8.7)	19.2 (8.7)
Actual Shipping weight, lbs (kg)	60 (27.2)	60 (27.2)	60 (27.2)
Shipping dimensions, in (mm)	223x4x4 (5664x102x102)	223x4x4 (5664x102x102)	223x4x4 (5664x102x102)
Length, in (mm)	150 (3810)	150 (3810)	150 (3810)
Mounting hardware	#130 clamp	#130 clamp	#130 clamp

Environmental Specifications

Temperature range, °F (°C)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent), ft ² (m ²)	1.6 (0.15)	1.6 (0.15)	1.6 (0.15)

SINCLAIR TECHNOLOGIES



SC489-SF1LNF

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