

[< 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

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		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

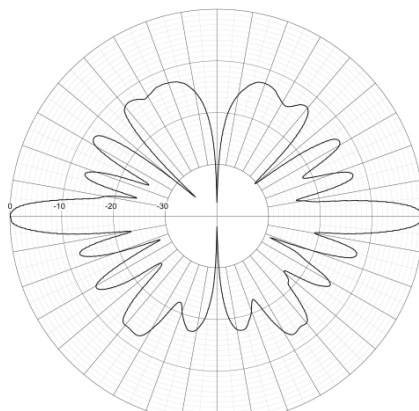
Mechanical Specifications

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

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		SC489		Dated: 05-02-10