

SC489-SF3LNF(D06) Collinear omni, 9 dBd, upright, 6° DT, 890-940 MHz

Also referred as: SRL489NLN*3DT6

- 6° downtilt
- Compact, light weight fiberglass radome with UV protection
- To be mounted upright only

Recommend SMK-325-A3 or SMK-325-A7 when side mounting.

The SC489 antenna satisfies the need for controlled ERP on 824-894 MHz cellular sites. This antenna offers slightly wider beamwidth than the SC480 antenna, reducing the nominal gain to 9 dBd across its 70 MHz operating bandwidth. The SC489 incorporates Sinclair’s center-fed collinear design within a heavy duty radome for trouble-free performance in the most demanding environments.

As with all Sinclair omnidirectional collinear antennas, the SRL-488 and SRL-489 are available in different versions for upright or inverted mounting. A universal version, which may be mounted in the upright or inverted position, can also be specified.



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) 1487 84 28 19	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

Electrical Specifications

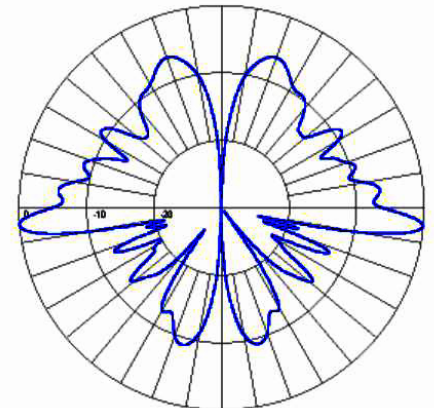
Frequency Range	MHz	890 to 940
Connector		N-Female
Gain (nominal)	dBd (dBi)	9 (11.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	500
Lightning protection		DC ground
Electrical tilt (available)		0,2,4, or 6 degrees

Notes

*1 : Qty 2

Mechanical Specifications

Width	in (mm)	2.5 (64)
Depth	in (mm)	2.5 (64)
Length	in (mm)	150 (3810)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	15 (381)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	19.2 (8.72)
Mounting Hardware (Included)		Clamp130
Actual shipping weight	lbs (kg)	60 (27.24)
Shipping dimensions	in (mm)	223x4x4 (5664x102x102)
Mounting configurations		upright
Recommended For Offset Side Mount:		SMK-325-A3 or SMK-325-A7



Elevation

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.6 (0.15)
Wind Loading Area (1/2" ice)	ft² (m²)	2.3 (0.21)
Rated wind velocity (no ice)	mph (km/h)	150 (242)
Rated wind velocity (1/2" radial ice)	mph (km/h)	119 (192)
Lateral thrust (100 mph No Ice)	lbs (N)	60.6 (269.5)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	283.1 (382.2)

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) 1487 84 28 19	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