

SC488-HF1SNF(D04) Collinear omni, 9.5 dBd, 4° DT, HD, 806-869 MHz

Also referred as: SRL480NHD*1DT4

- 9.5 dBd gain with omni-directional pattern and heavy-duty radome
- 4 degrees of downtilt
- Light weight, compact radome assembly

Recommend using the SMK-325-A3 or SMK-325-A7 kit when side mounting.

The SC488-H series of heavy duty, fiberglass collinear omni-directional antenna offers narrow beam width and higher gain for systems in trunking (806-869 MHz), cellular (824-896 MHz) or uplink trunking (896-940 MHz). Designed with 9.5 dBd gain with downtilt, this antenna only support upright mount.

This antenna is also available with a full compliment of electrical downtilts in both upright and inverted patterns.



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
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Electrical Specifications

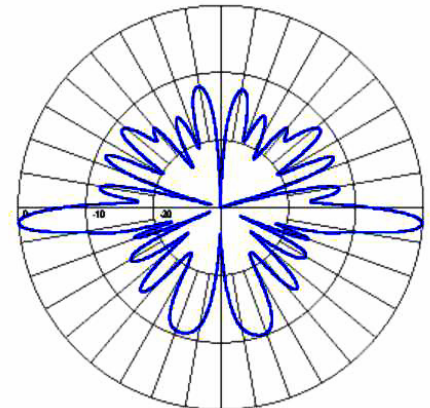
Frequency Range	MHz	806 to 866
Connector		N-Female
Gain (nominal)	dBd (dBi)	9.5 (11.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	500
Lightning protection		DC ground
Electrical tilt (available)		0,2,4, or 6 degrees

Notes

*1 : Qty 2

Mechanical Specifications

Width	in (mm)	2.88 (73)
Depth	in (mm)	2.88 (73)
Length/ Height	in (mm)	190 (4826)
Base pipe diameter	in (mm)	2.88 (73)
Base pipe mounting length	in (mm)	24 (610)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	33.8 (15.35)
Mounting Hardware (Included)		Clamp130
Actual shipping weight	lbs (kg)	66 (29.96)
Shipping dimensions	in (mm)	223x4x4 (5664x102x102)
Mounting configurations		upright
Recommended For Offset Side Mount:		SMK-225-A3-T5 or SMK-225-A7-T5



Elevation

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	2.11 (0.2)
Wind Loading Area (1/2" ice)	ft² (m²)	2.96 (0.27)
Rated wind velocity (no ice)	mph (km/h)	185 (298)
Rated wind velocity (1/2" radial ice)	mph (km/h)	155 (250)
Lateral thrust (100 mph No Ice)	lbs (N)	81 (360.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	420 (567)

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