

SC488-HF2SNF(D04) Collinear omni, 9.5 dBd, 4° DT, HD, 824-896 MHz

Also referred as: SRL480NHD*2DT4

- 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
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Electrical Specifications

Frequency Range	MHz	824 to 896	*1
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

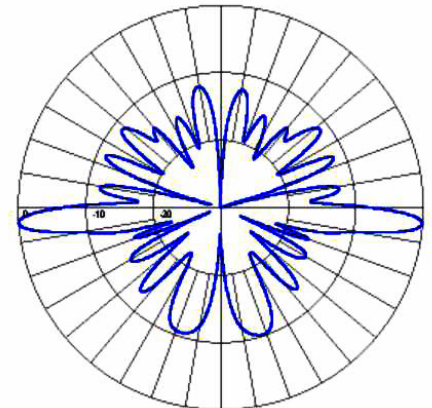
- *1 : Band splits: 806-869MHz (F1),
824-896MHz(F2),890-940MHz(F3),928-960MHz(F4)
*2 : Qty 2

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	*2
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	

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)



Elevation

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