

SC488-SF5LDF(D00) Collinear omni, 10 dBd, low PIM, 1057-1123 MHz

- 10 dBd gain with omni-directional pattern and low PIM
- Available with 2, 4, or 6 degrees of downtilt
- The SMK-325-A3 or SMK-325-A7 kit is recommended for side mounting

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

The SC488-L series of fiberglass collinear omni-directional antenna offers narrow beam width and higher gain for systems in trunking (806-869 MHz), new 700 MHz band (694-746 and 746-806 MHz), cellular (824-896 MHz) or uplink trunking (896-940 MHz), and 1057-1123 MHz. Designed with 10 dBd gain (9.5 dBd with downtilt), the Zero degree downtilt model can be mounted either upright or inverted, while downtilt models should be mounted in an upright position only.

This antenna is also available with 2, 4, or 6 degree of electrical downtilt in both upright and inverted patterns.



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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

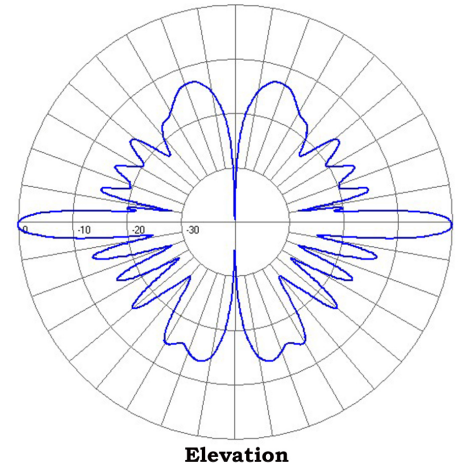
Frequency Range	MHz	1057 to 1123
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	10 (12.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	500
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning 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/ Height	in (mm)	142.68 (3624)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	24 (610)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	19 (8.63)
Weight iced (1/2" ice)	lbs (kg)	49.5 (22.47)
Mounting Hardware (Included)		Clamp130
Estimated Shipping Weight	lbs (kg)	55 (24.97)
Shipping dimensions	in (mm)	223x4x4 (5664x102x102)
Mounting configurations		universal
Recommended For Offset Side Mount:		SMK-325-A3 or SMK-325-A7



Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.49 (0.14)
Wind Loading Area (1/2" ice)	ft² (m²)	2.15 (0.2)
Rated wind velocity (no ice)	mph (km/h)	155 (250)
Rated wind velocity (1/2" radial ice)	mph (km/h)	130 (209)
Lateral thrust (100 mph No Ice)	lbs (N)	57 (253.5)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	225 (303.8)
Tip deflection (100 mph No Ice)	degrees	1.95

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