

SC488-SF6LDF(D00) Collinear omni, 10 dBd, low PIM, 746-806 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.

Sinclair's lightweight collinear antenna series-SC488 is now available in 700 MHz low band (694-746 MHz) for LTE 700MHz applications and 700 MHz high band (746-806 MHz) for public safety applications. These antennas are equipped with a 2-1/4 in diameter UV protected fiberglass radome and offer 10 dBd gain with various electrical downtilt options. With the zero degree downtilt option, the antenna can be conveniently mounted either upright or inverted as per the customer's need. Side mount kit is also available for these antennas. For more details please contact customer service at: 1-800-263-3275.



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

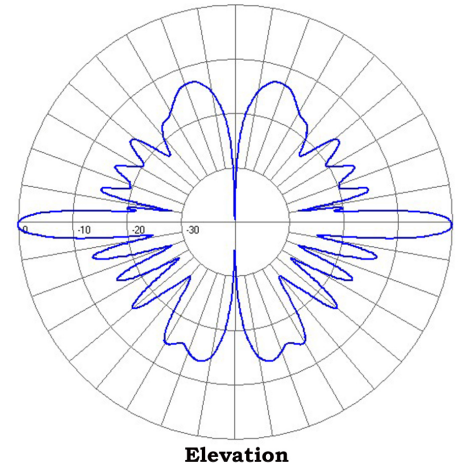
Frequency Range	MHz	746 to 806
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	10 (12.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	750
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning 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)	190 (4826)
Base pipe diameter	in (mm)	2.5 (64)
Base pipe mounting length	in (mm)	24 (610)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	26 (11.8)
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)	1.9 (0.18)
Wind Loading Area (1/2" ice)	ft² (m²)	2.8 (0.26)
Rated wind velocity (no ice)	mph (km/h)	137 (221)
Rated wind velocity (1/2" radial ice)	mph (km/h)	106 (171)
Lateral thrust (100 mph No Ice)	lbs (N)	74 (329.2)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	437 (590)
Tip deflection (100 mph No Ice)	degrees	4.5

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