

SC432D-HF6LDF(DXX-I45-G03) Collinear omni, 3 dBd, dual ports, low PIM, 45 dB, HD, 746-869 MHz

- Dual collinear omni antenna with typical 3dBd gain
- Designed to operate in extreme environmental conditions
- Provides 45 dB port-to-port isolation
- Electrical downtilt available

**Recommend using the SMK-335-A3 or SMK-335-A7 kits for offset mounting.**

Sinclair's new line of high isolation multiple port antennas, the SC432's series of collinear, omni-directional antennas are as a dual (0 dBd, and 3 dBd gain), or as a triple antenna (0 dBd gain), all within the same radome.

The SC432 series provides industry-leading performance with 1.5:1 VSWR, providing excellent RF coverage for smaller population centers, and rural.

When ordering, please refer to the chart below for the model number. Downtilt configurations are subject to various list price. Please contact your Sinclair Sales Representative or Customer Service Representative for more information.

Model Number	Downtilt
SC432D-HF6LDF(D00-I45-G03)	0°
SC432D-HF6LDF(D01-I45-G03)	1°
SC432D-HF6LDF(D02-I45-G03)	2°
SC432D-HF6LDF(D03-I45-G03)	3°
SC432D-HF6LDF(D04-I45-G03)	4°
SC432D-HF6LDF(D05-I45-G03)	5°
SC432D-HF6LDF(D06-I45-G03)	6°
SC432D-HF6LDF(D07-I45-G03)	7°
SC432D-HF6LDF(D08-I45-G03)	8°
SC432D-HF6LDF(D09-I45-G03)	9°
SC432D-HF6LDF(D10-I45-G03)	10°



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

#### Electrical Specifications

Frequency Range	MHz	746 to 869
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	3 (5.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	30
Average Power Input (max)	W	300
Isolation between sections (nom)	dB	45
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		0-10 degrees in 1° increments

#### Mechanical Specifications

Width	in (mm)	3.5 (89)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	134 (3404)
Base pipe diameter	in (mm)	3.5 (89)
Base pipe mounting length	in (mm)	18 (457)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	33 (14.98)
Weight iced (1/2" ice)	lbs (kg)	57 (25.88)
Mounting Hardware (Optional)		Clamp006B *1
Actual shipping weight	lbs (kg)	46 (20.88)
Shipping dimensions	in (mm)	156x6x6 (3962x152x152)
Number of ports		2
Mounting configurations		upright
Recommended For Offset Side Mount:		SMK-335-A3 or SMK-335-A7

#### Environmental Specifications

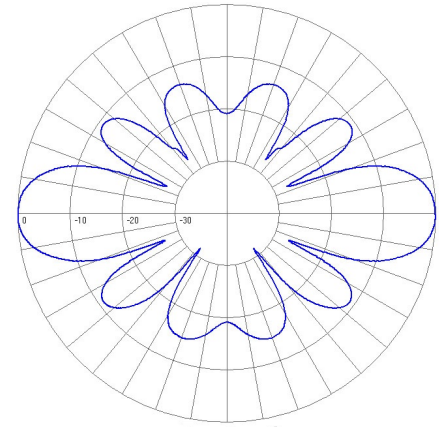
Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.86 (0.17)
Wind Loading Area (1/2" ice)	ft² (m²)	2.45 (0.23)
Rated wind velocity (no ice)	mph (km/h)	190 (306)
Rated wind velocity (1/2" radial ice)	mph (km/h)	165 (266)
Lateral thrust (100 mph No Ice)	lbs (N)	71 (315.8)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	285 (384.8)
Tip deflection (100 mph No Ice)	degrees	0.59

#### Notes

\*1 : Qty 2

#### Ordering Information

Clamps not included- Recommend Qty 2- Clamp006B.  
When ordering, please refer to the model list on the previous page for specific model numbers and downtilt configurations.



Vertical, 0° DT

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