

SC432D-HF6LDF(DXXI-I40-G06) Collinear omni, 6 dBd, dual ports, low PIM, 40 dB, Inverted, 746-869 MHz

- Dual collinear antennas with typical 6 dBd gain
- Inverted and 1-10° downtilt available
- Designed to operate in extreme environmental conditions.
- Provides 40 dB port-to-port isolation.

Recommend using the SMK-335-A3 or SMK-335-A7 kits when side mounting.

Sinclair's new line of high isolation multiple port antennas, the SC432's are collinear, omni-directional antennas are available with various gains (0, 3, and 6 dBd), and also come as single, dual, or triple antennas all within the same radome.

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(D01I-I40-G06)	1°
SC432D-HF6LDF(D02I-I40-G06)	2°
SC432D-HF6LDF(D03I-I40-G06)	3°
SC432D-HF6LDF(D04I-I40-G06)	4°
SC432D-HF6LDF(D05I-I40-G06)	5°
SC432D-HF6LDF(D06I-I40-G06)	6°
SC432D-HF6LDF(D07I-I40-G06)	7°
SC432D-HF6LDF(D08I-I40-G06)	8°
SC432D-HF6LDF(D09I-I40-G06)	9°
SC432D-HF6LDF(D10I-I40-G06)	10°



www.sinclaire.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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E-mail	salesusa@sinclaire.com	salesuk@sinclaire.com	salesla@sinclaire.com	salescan@sinclaire.com

Electrical Specifications

Frequency Range	MHz	746 to 869
Bandwidth	MHz	123
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	6 (8.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	12.5
Average Power Input (max)	W	500
Isolation between sections (nom)	dB	40
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		1-10 degrees in 1° increments

Mechanical Specifications

Width	in (mm)	3.5 (89)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	175 (4445)
Base pipe diameter	in (mm)	3.5 (89)
Base pipe mounting length	in (mm)	24 (610)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	36.5 (16.57)
Weight iced (1/2" ice)	lbs (kg)	66 (29.96)
Mounting Hardware (Optional)		Clamp006B *1
Actual shipping weight	lbs (kg)	76 (34.5)
Shipping dimensions	in (mm)	198x6x6 (5029x152x152)
Number of ports		2
Mounting configurations		Inverted
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)	2.46 (0.23)
Wind Loading Area (1/2" ice)	ft² (m²)	3.25 (0.3)
Rated wind velocity (no ice)	mph (km/h)	170 (274)
Rated wind velocity (1/2" radial ice)	mph (km/h)	155 (250)
Lateral thrust (100 mph No Ice)	lbs (N)	97 (431.5)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	520 (702)
Tip deflection (100 mph No Ice)	degrees	1.52

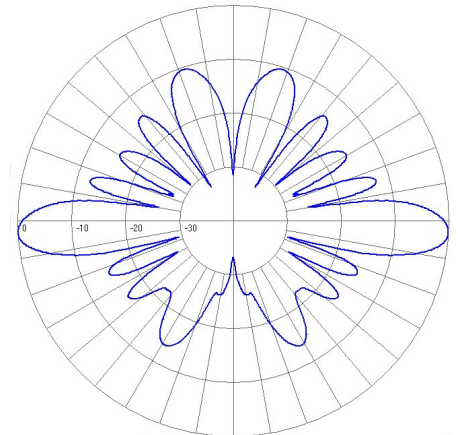
Notes

*1 : Qty 2

Ordering Information

Clamps not included- Recommend Qty 2- Clamp006B.
Recommend using the SMK-335-A3 or SMK-335-A7 kits when side mounting.

When ordering, please refer to the model list on the previous page for specific model numbers and downtilt configurations.



Vertical, 2° downtilt shown

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