

SC432D-HF6LDF(I45-G00)

Collinear omni, 0 dBd, dual ports, low PIM, 45 dB, HD, 746-869 MHz

Also referred as: SC432D-HF6LDF(D00-I45-G00)

- Dual collinear omni antennas with typical 0 dBd gain
- 1.5:1 VSWR to provide excellent coverage
- Designed to operate in extreme environmental conditions.
- Provides 45 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 dBd, 3 dBd), and also come as single, dual, or triple antennas all within the same radome. For the dual and triple antennas, there is 45 dB of isolation between the individual antennas.

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



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	746 to 869
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	unity (2.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	70
Average Power Input (max)	W	300
Isolation between sections (nom)	dB	45
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground

Notes

*1 : Qty 2

Mechanical Specifications

Width	in (mm)	3.5 (89)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	82 (2083)
Base pipe diameter	in (mm)	3.5 (89)
Base pipe mounting length	in (mm)	18 (457)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	22 (9.99)
Weight iced (1/2" ice)	lbs (kg)	36 (16.34)
Mounting Hardware (Optional)		Clamp006B
Actual shipping weight	lbs (kg)	32 (14.53)
Shipping dimensions	in (mm)	102x6x6 (2591x152x152)
Number of ports		2
Mounting configurations		universal
Recommended For Offset Side Mount:		SMK-335-A3 or SMK-335-A7

Ordering Information

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

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.08 (0.1)
Wind Loading Area (1/2" ice)	ft² (m²)	1.42 (0.13)
Rated wind velocity (no ice)	mph (km/h)	245 (394)
Rated wind velocity (1/2" radial ice)	mph (km/h)	225 (362)
Lateral thrust (100 mph No Ice)	lbs (N)	41 (182.4)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	93 (125.6)
Tip deflection (100 mph No Ice)	degrees	0.11

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