

SC432D-HF2LDF(D0-I40-G6-E5749) Collinear omni, 6 dBd, dual ports, low PIM, PIP rated, 806-960 MHz

- Dual collinear antennas with typical 6 dBd gain
- 1.5:1 VSWR to provide excellent coverage
- Designed to operate in extreme environmental conditions.
- Provides 40 dB port-to-port isolation, low PIM, PIP rated

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

Sinclair's new line of high isolation dual port antennas, the SC432D's are collinear, omni-directional antennas are available with various gains (0, 3, and 6 dBd), and are also available with different port-to-port isolations, depending on the gains. These dual antennas are all enclosed in the same radome, requiring less tower space than two individual ones.



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet
 EPR 018270
 Customer Tech Manual 005973

SC432D-HF2LDF(D0-I40-G6-E5749)

Issue: 1

Dated: 14-12-16
 Dated: 30-07-12

Electrical Specifications

Frequency Range	MHz	806 to 960
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
PIP(KW, max)		25
Electrical tilt (available)		0-10 degrees in 1° increments

Notes

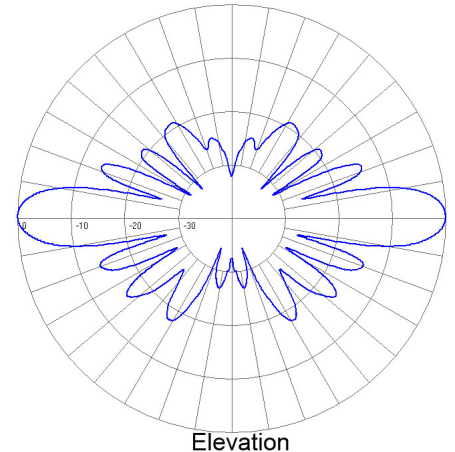
*1 : Qty 2

Ordering Information

N-type connectors available

Mechanical Specifications

Width	in (mm)	3.5 (89)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	163 (4140)
Base pipe diameter	in (mm)	3.5 (89)
Base pipe mounting length	in (mm)	24 (610)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	35 (15.89)
Weight iced (1/2" ice)	lbs (kg)	64 (29.06)
Mounting Hardware (Optional)		Clamp006B *1
Actual shipping weight	lbs (kg)	75 (34.05)
Shipping dimensions	in (mm)	186x6x6 (4724x152x152)
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)	2.42 (0.22)
Wind Loading Area (1/2" ice)	ft² (m²)	3.22 (0.3)
Rated wind velocity (no ice)	mph (km/h)	180 (290)
Rated wind velocity (1/2" radial ice)	mph (km/h)	160 (258)
Lateral thrust (100 mph No Ice)	lbs (N)	95 (422.6)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	517 (698)
Tip deflection (100 mph No Ice)	degrees	1.5

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