

SC432D-HF2LDF(I40-G06) Collinear omni, 6 dBd (typ), dual ports, low PIM, 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.

**Recommend using the SMK-335-A3 mounting kit when side mounting antenna.
Clamp006A recommended when top 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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Product Specification Sheet EPR 018270		SC432D-HF2LDF(I40-G06)	Issue: 1	Dated: 24-03-11 Dated: 22-11-07

Electrical Specifications

Frequency Range	MHz	806 to 960
Gain (nominal)	dBi (dBd)	8.1 (6)
Input VSWR (max)		1:5
Polarization		vertical
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	12.5
Average Power Input (max)	W	500
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6
Isolation between sections (nom)	dB	40

Notes

*1 : Recommend Clamp006A. Recommend SMK-335-A3 for side mounting

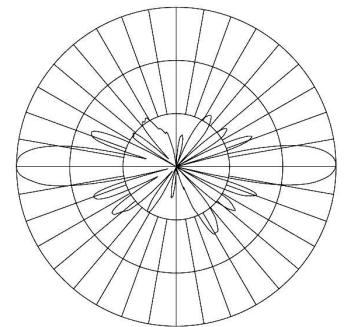
Ordering Information

Recommend using the SMK-335-A3 mounting kit when side mounting.
Recommend clamp006A when top mounting.

Mechanical Specifications

Connector		7/16 DIN (female)
Length/ Height	mm (in)	4077 (160.5)
Width	mm (in)	89 (3.5)
Depth	mm (in)	89 (3.5)
Base pipe diameter	mm (in)	89 (3.5)
Base pipe mounting length	mm (in)	610 (24)
Weight	kg (lbs)	15.21 (33.5)
Weight iced	kg (lbs)	29.06 (64)
Actual Shipping weight	kg (lbs)	34.05 (75)
Shipping dimensions	mm (in)	4724x114x114 (186x4.5x4.5)
Mounting hardware		clamps not supplied *1

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation

Relative Gain - 10 dB per Division

Environmental Specifications

Temperature range	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m² (ft²)	0.22 (2.42)
Wind Loading Area (ice)	m² (ft²)	0.3 (3.22)
Rated wind velocity (no ice)	km/h (mph)	290 (180)
Rated wind velocity (1/2" radial ice)	km/h (mph)	258 (160)
Lateral thrust (100mph)	N (lbs)	422.6 (95)
Bending moment	Nm (ft-lbs)	698 (517)
Tip deflection	degrees	1.5

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