

SC432D-HF6LDF(D5-I45-G3-E5749) 3 dBd, 5° DT, low PIM & PIP rated, 746-869 MHz

- Dual collinear omni PIP rated antenna with typical 3 dBd gain and 5° downtilt
- 1.5:1 VSWR to provide excellent coverage
- Designed to operate in extreme environmental conditions.
- Provides 45 dB port-to-port isolation.

**Recommend SMK-335-A3 or SMK-335-A7 for Offset Side Mount.
Available from Sinclair separately.**

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.



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)	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
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)	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)	31 (14.07)
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

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