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SC432T-HL - PIM Certified Triple collinear omni antenna, 0dBd gain, low PIM, 746-869 MHz

- Triple antenna with 45 dB port-to-port isolation.
- -150 dBc passive intermodulation performance reduces unwanted harmonic frequencies
- Designed to operate in extreme environmental conditions.

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.

Model	Description	Pattern
<a href="#">SC432T-HF6LDF(145-G00)</a>	0 dBd gain (typ), 7/16 DIN (female) connector, 746-869 MHz	Omni-directional



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Product Specification Sheet		SC432T-HL - PIM Certified		Dated: 05-02-10

[SC432T-HF6LDF\(I45-G00\)](#)

**Electrical Specifications**

Frequency Range, MHz	746 to 869
Gain (nominal), dBd (dBi)	unity (2.1)
Input VSWR (max)	1.5:1
Polarization	vertical
Pattern	Omni-directional
Vertical beamwidth, degrees	70
Average Power Input (max), W	300
Passive intermod. (2x20W, 3rd ord.), dBc	-150
Lightning protection	DC ground
DC Ground	Yes
Electrical tilt (available)	0
Isolation between sections (nom), dB	45

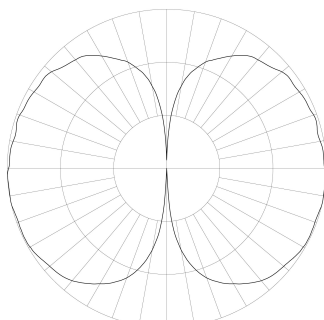
**Mechanical Specifications**

Connector	7/16 DIN (female)
Width, in (mm)	3.5 (89)
Depth, in (mm)	3.5 (89)
Base pipe diameter, in (mm)	3.5 (89)
Base pipe mounting length, in (mm)	18 (457)
Weight, lbs (kg)	33 (15)
Weight iced, lbs (kg)	57 (25.9)
Actual Shipping weight, lbs (kg)	46 (20.9)
Shipping dimensions, in (mm)	156x0.6x0.6 (3962x15x15)
Length, in (mm)	134 (3404)
Mounting hardware	clamps not supplied

**Environmental Specifications**

Temperature range, °F (°C)	-40 to +158 (-40 to +70)
Wind Loading Area (Flat Plate Equivalent), ft² (m²)	1.86 (0.17)

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Elevation  
Relative Gain - 10 dB per Division

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