

SC412-HL PIM Certified collinear omni antenna, 11.5 dBd gain, 746-869 MHz

Model	Description	Pattern
SC412-HF2LDF	Collinear omni antenna, 11.5 dBd gain, 746-869 MHz	Omni-directional
SC412-HF2LDF(E5608)	Collinear omni antenna, 11.5 dBd gain, 746-869 MHz	Omni-directional



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Product Specification Sheet		SC412-HL PIM Certified		Dated: 05-02-10

SC412-HF2LDF

SC412-HF2LDF(E5608)

Electrical Specifications

Frequency Range, MHz	746 to 869	746 to 869
Gain (nominal), dBd (dBi)	11.5 (13.6)	11.5 (13.6)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical	vertical
Pattern	Omni-directional	Omni-directional
Vertical beamwidth, degrees	3.6	3.9
Average Power Input (max), W	500	500
Passive intermod. (2x20W, 3rd ord.), dBc	-150	-150
Lightning protection	DC ground	DC ground
DC Ground		DC ground
Electrical tilt (available)	0, 2, 4, 6, 8 & 10 degrees available	0, 1, 2, 3, 4, 5, and 6 degrees available
Null fill, %		25

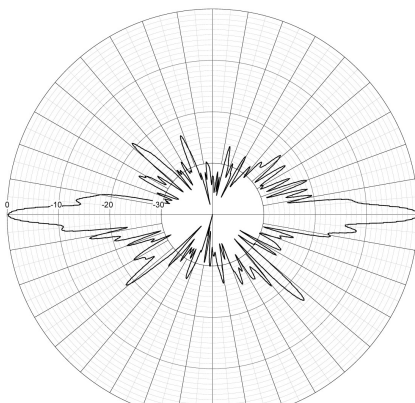
Mechanical Specifications

Connector	7/16 DIN (female)	7/16 DIN (female)
Length/ Height, in (mm)	251.5 (6388)	251.5 (6388)
Width, in (mm)	5 (127)	5 (127)
Depth, in (mm)	5 (127)	5 (127)
Base pipe diameter, in (mm)	5 (127)	5 (127)
Base pipe mounting length, in (mm)	30 (762)	30 (762)
Weight, lbs (kg)	79 (35.9)	79 (35.9)
Weight iced, lbs (kg)	142 (64.5)	142 (64.5)
Actual Shipping weight, lbs (kg)	110 (49.9)	110 (49.9)
Shipping dimensions, in (mm)	264x6.5x6.5 (6706x165x165)	264x6.5x6.5 (6706x165x165)
Number of ports	1	1
Mounting hardware	clamps not supplied	clamps not supplied

Environmental Specifications

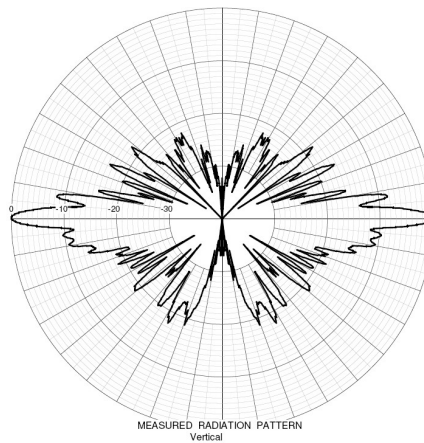
Temperature range, °F (°C)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent), ft ² (m ²)	5.24 (0.49)	5.24 (0.49)

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
Vertical
Relative Gain - 10 dB per Division

SC412-HF2LDF



MEASURED RADIATION PATTERN
Vertical

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