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SC479 - PIM Certified Collinear omni antenna, 9.5 dBd gain, HD, 746-869 MHz

- Covers the 746-869 MHz frequency range with one antenna
- High power handling capability
- Heavy-duty construction
- Recommend using the SMK-335-A3 for 3' max tower leg spacing, and SMK-335-A7 for 7'.

This broadband, ultra-heavy duty, omni-directional antenna covers the entire 746-869 MHz frequency range. It is constructed to minimize intermodulation products in multi-carrier systems.

Model	Description	Pattern
SC479-HF1LDF	9.5 dBd gain, 7/16 DIN (female) connector, 746-869 MHz	Omni-directional
SC479-HF1LDF(E5608)	9 dBd gain, 7/16 DIN (female) connector, 746-869 MHz	Omni-directional
SC479-HF2LDF	9.5 dBd gain, HD, 806-960MHz	Omni-directional



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Product Specification Sheet		SC479 - PIM Certified		Dated: 05-02-10

[SC479-HF1LDF](#)

[SC479-HF1LDF\(E5608\)](#)

[SC479-HF2LDF](#)

Electrical Specifications

Frequency Range, MHz	746 to 869	746 to 869	806 to 960
Gain (nominal), dBd (dBi)	9.5 (11.6)	9 (11.1)	9.5 (11.6)
Polarization	vertical	vertical	vertical
Impedance, Ω	50	50	
Pattern	Omni-directional	Omni-directional	Omni-directional
Vertical beamwidth, degrees	5.2	5.7	
Average Power Input (max), W	500	500	500
Passive intermod. (2x20W, 3rd ord.), dBc	-150	-150	-150
Lightning protection	DC ground	DC ground	DC ground
Bandwidth, MHz	123	123	
Electrical tilt (available)	0,2,4,6	1,3,5	0,2,4,6
Null fill, %		25	

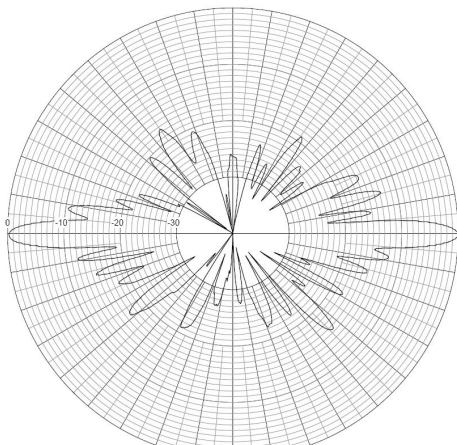
Mechanical Specifications

Connector	7/16 DIN (female)	7/16 DIN (female)	7/16 DIN (female)
Width, in (mm)	3.5 (89)	3.5 (89)	3.5 (89)
Depth, in (mm)	3.5 (89)	3.5 (89)	3.5 (89)
Base pipe diameter, in (mm)	3.5 (89)	3.5 (89)	
Base pipe mounting length, in (mm)	24 (610)	24 (610)	
Weight, lbs (kg)	34 (15.4)	34 (15.4)	34 (15.4)
Weight iced, lbs (kg)	66 (30)	66 (30)	66 (30)
Actual Shipping weight, lbs (kg)	76 (34.5)	76 (34.5)	76 (34.5)
Shipping dimensions, in (mm)	192x6.5x6.5 (4877x165x165)	192x6.5x6.5 (4877x165x165)	16.5x41/2 ()
Length, in (mm)	172.5 (4382)	172.5 (4382)	172.5 (4382)
Mounting hardware	clamps not supplied	clamps not supplied	#6C Clamp

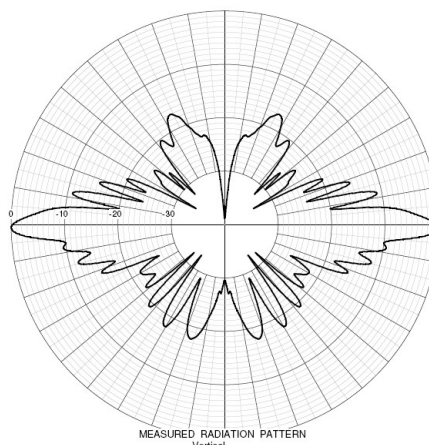
Environmental Specifications

Temperature range, °F (°C)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent), ft ² (m ²)	2.46 (0.23)	2.46 (0.23)	

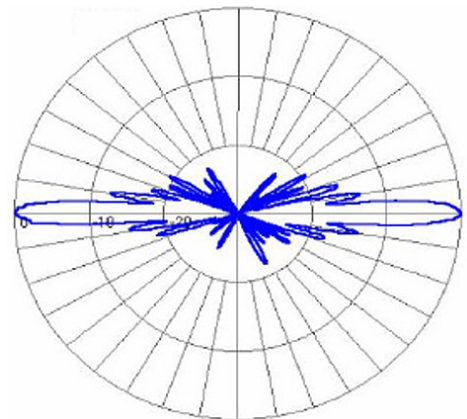
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SC479-HF1LDF



SC479-HF1LDF(E5608)



SC479-HF2LDF

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