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SC489-H

Collinear omni antenna, 9 dBd gain, low PIM, HD, 928-941 MHz

- Low PIM, designed for 900 MHz Paging Systems
- Universal mount either vertical or inverted
- Heavy duty radome for extreme conditions

The SC489 series of antennas offers 9 dBd gain across its operating bandwidth.

Model	Description	Pattern
SC489-HF4LDF	9 dBd gain, 7/16 DIN (female) connector, 928-941 MHz	Omni-directional
SC489-HF4LDF(D02)	9 dBd gain, 7/16 DIN (female) connector, 928-941 MHz	Omni-directional



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Product Specification Sheet		SC489-H		Dated: 05-02-10

[SC489-HF4LDF](#)

[SC489-HF4LDF\(D02\)](#)

Electrical Specifications

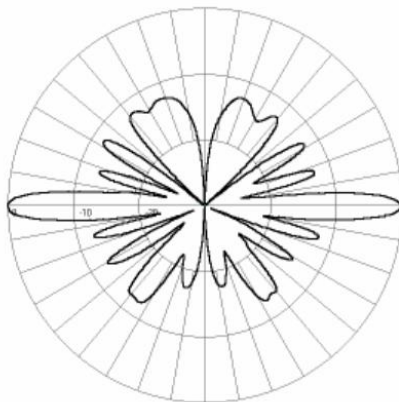
Frequency Range, MHz	928 to 941	928 to 941
Gain (nominal), dBd (dBi)	9 (11.1)	9 (11.1)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical	vertical
Pattern	Omni-directional	Omni-directional
Vertical beamwidth, degrees	6	6
Average Power Input (max), W	500	500
Lightning protection	DC ground	DC ground
Electrical tilt (available)	0	2

Mechanical Specifications

Connector	7/16 DIN (female)	7/16 DIN (female)
Width, in (mm)	2.9 (74)	2.9 (74)
Base pipe diameter, in (mm)	2.9 (74)	2.9 (74)
Base pipe mounting length, in (mm)	24 (610)	24 (610)
Weight, lbs (kg)	23 (10.4)	23 (10.4)
Actual Shipping weight, lbs (kg)	60 (27.2)	60 (27.2)
Shipping dimensions, in (mm)	223x4x4 (5664x102x102)	223x4x4 (5664x102x102)
Length, in (mm)	130 (3302)	130 (3302)

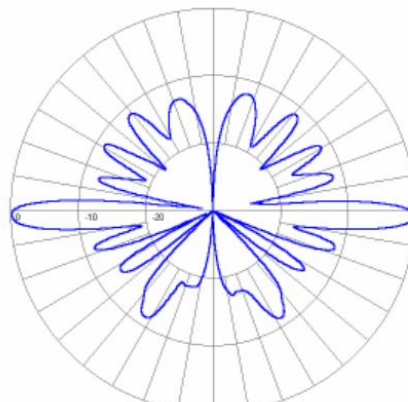
Environmental Specifications

Temperature range, °F (°C)	-40 to +140 (-40 to +60)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent), ft² (m²)	1.5 (0.14)	1.5 (0.14)



Elevation

SC489-HF4LDF



Elevation

SC489-HF4LDF(D02)

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