

**SC488-HF1SNF**

Collinear omni, 10 dBd, HD, 806-869 MHz

Also referred as: SRL488NHD\*1

- Suited to cellular, SMR, data and paging systems requiring omni coverage.
- Combination of broad bandwidth, narrow beamwidth, low noise and higher gain.
- Available in various sub-bands.
- Recommend using the SMK-325-A3 side mounting kit.

**Recommend using the SMK-325-A3 or SMK-325-A7 kit when side mounting.**

Heavy-duty fiberglass collinear omni-directional antenna. 10 dBd gain provides enhanced efficiency for 806-960 MHz range. Extremely rugged radome offers superior environmental protection and minimizes tip deflection. 1.4:1 VSWR across the band.



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 017222		SC488-HF1SNF	Issue: 9	Dated: 22-03-11 Dated: 26-03-10

**Electrical Specifications**

Frequency Range	MHz	806 to 869
Gain (nominal)	dBi (dBd)	12.1 (10)
Input VSWR (max)		1.4:1
Polarization		vertical
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	500
Lightning protection		DC ground
Electrical tilt (available)		0

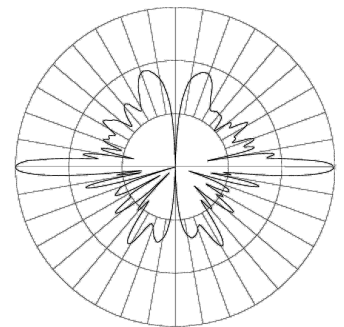
**Ordering Information**

Standard connector is 7/16 DIN Female but also comes with N Female, PIM and power may vary. Available in 2, 4, 6 degree downtilts- Order time may

**Mechanical Specifications**

Connector		N (female)
Length/ Height	mm (in)	4648 (183)
Width	mm (in)	73 (2.88)
Depth	mm (in)	73 (2.88)
Base pipe diameter	mm (in)	73 (2.88)
Base pipe mounting length	mm (in)	610 (24)
Weight	kg (lbs)	15.35 (33.8)
Actual Shipping weight	kg (lbs)	26.79 (59)
Shipping dimensions	mm (in)	4877x114x114 (192x4.5x4.5)
Mounting hardware		Clamp #130D

**SINCLAIR TECHNOLOGIES**



MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Elevation  
Relative Gain - 10 dB per Division

**Environmental Specifications**

Temperature range	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m <sup>2</sup> (ft <sup>2</sup> )	0.2 (2.11)
Wind Loading Area (ice)	m <sup>2</sup> (ft <sup>2</sup> )	0.27 (2.96)
Rated wind velocity (no ice)	km/h (mph)	298 (185)
Rated wind velocity (1/2" radial ice)	km/h (mph)	250 (155)
Lateral thrust (100mph)	N (lbs)	360.3 (81)
Bending moment	Nm (ft-lbs)	567 (420)

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