

SV402

Corner reflector directive antenna, 10 dBd gain, 800-960 MHz

- Compact, rugged, broadband corner reflector
- Resonant dipole is DC grounded and is mounted into an aluminum reflector

This compact, rugged antenna is ideally suited to various requirements because of its low VSWR and uniform gain over its 100 MHz bandwidth. The antenna consists of a folded dipole, which is maintained at DC ground potential for lightning protection, and a specially designed aluminum reflector. The antenna provides a nominal 10 dBd gain.



Model

[SV402-SF1SNM](#)
[SV402-SF2SNM](#)

Description

10 dBd gain, N (male) connector, 800-900 MHz
10 dBd gain, N (male) connector, 896-960 MHz

Pattern

Directional
Directional



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Product Specification Sheet		SV402		Dated: 05-02-10

SV402-SF1SNM

SV402-SF2SNM

Electrical Specifications

Frequency Range, MHz	800 to 900	896 to 960
Gain (nominal), dBd (dBi)	10 (12.1)	10 (12.1)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical or horizontal	vertical or horizontal
Pattern	Directional	Directional
Horizontal beamwidth, degrees	30	30
Vertical beamwidth, degrees	52	52
Lightning protection	DC ground	DC ground
Front-to-back ratio (typ), dB	30	30

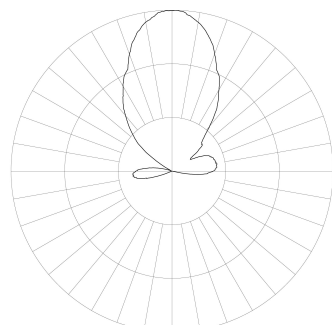
Mechanical Specifications

Connector	N (male)	N (male)
Length/ Height, in (mm)	24 (610)	24 (610)
Width, in (mm)	48 (1219)	48 (1219)
Depth, in (mm)	18 (457)	18 (457)
Weight, lbs (kg)	23 (10.4)	23 (10.4)
Actual Shipping weight, lbs (kg)	35 (15.9)	35 (15.9)
Shipping dimensions, in (mm)	29x21x34 (737x533x864)	29x21x34 (737x533x864)

Environmental Specifications

Rated wind velocity (no ice), mph (km/h)	100 (161)	100 (161)
Rated wind velocity (1/2" radial ice), mph (km/h)	85 (137)	85 (137)
Lateral thrust (100mph), lbs (N)	167 (742.8)	167 (742.8)

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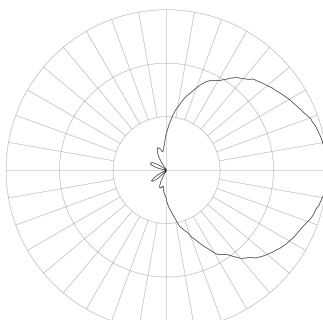


MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Azimuth
Relative Gain - 10 dB per Division

SV402-SF1SNM

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MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

SV402-SF1SNM

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