

SV460-SF1SNM Parabolic reflector directive, 15 dBd, 806-890 MHz

Also referred as: SRL460N*1

- Parabolic cylinder reflector with a dipole-reflector assembly and back-firing primary radiator
- Wideband, high gain antenna
- Meshed reflector for 15 dBd version; Solid reflector for 16 dBd version

The SV460 antenna is a parabolic cylinder reflector with a dipole-reflector assembly, back-firing primary radiator. This wideband antenna was developed to provide more gain than a corner reflector can produce, yet be more economical than a parabolic dish. To order this version for the 952-960 MHz band, please specify SV460V. Heavier duty and/or higher power models are available on special order.

15 dBd version



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Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Product Specification Sheet
EPR 016911
Customer Tech Manual 005153

SV460-SF1SNM

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Electrical Specifications

Frequency Range	MHz	806 to 890	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	15 (17.1)	
Input VSWR (max)		1.5:1	
Polarization		vertical or horizontal	
Pattern		Directional	
Horizontal beamwidth (typ)	degrees	16	*1
Vertical beamwidth (typ)	degrees	30	*2
Average Input Power (max)	W	75	
Front-to-back ratio (Typ)	dB	25	
Lightning protection		DC ground	

Notes

*1 : Vertical Polarization

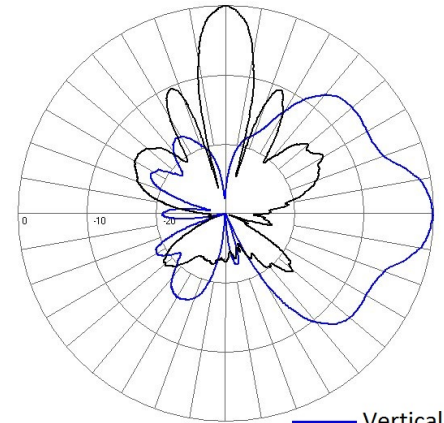
*2 : Vertical Polarization

Mechanical Specifications

Width	in (mm)	25 (635)
Depth	in (mm)	18.3 (465)
Length/ Height	in (mm)	56 (1422)
Weight	lbs (kg)	20 (9.08)
Mounting Hardware (Included)		Clamp004
Actual shipping weight	lbs (kg)	50 (22.7)
Shipping dimensions	in (mm)	58x21x28 (1473x533x711)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	5.4 (0.5)
Wind Loading Area (1/2" ice)	ft² (m²)	5.7 (0.53)
Rated wind velocity (no ice)	mph (km/h)	100 (161)
Rated wind velocity (1/2" radial ice)	mph (km/h)	85 (137)
Lateral Thrust (100 mph No Ice)	lbs (N)	297 (1321.1)



— Vertical
— Horizontal

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