

SV302-HF1SN(X) Corner reflector directive, 9.5 dBd, HD, 406-470

- Offers reliable service in severe weather and ice conditions
- Broad band operation
- Excellent for multicoupling

The SV302 is a rugged corner reflector which covers the entire 406-470 or 450-512 MHz range. Because of its broadband operation, it is an excellent antenna for multicoupling several systems or for use with widely spaced duplex frequencies.

When ordering, please refer to the list below for part# and specific configurations.

Part#	Frequency range	Connector
SV302-HF1SNM	406-470 MHz	N(m)
SV302-HF1SNF	406-470 MHz	N(f)



www.sinctech.com

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

Electrical Specifications

Frequency Range	MHz	406 to 470	
Bandwidth	MHz	64	
Connector		Various options avail.	*1
Gain (nominal)	dBd (dBi)	9.5 (11.6)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Pattern		Directional	
Horizontal beamwidth (typ)	degrees	45	
Vertical beamwidth (typ)	degrees	60	
Average Input Power (max)	W	125	
Front-to-back ratio (Typ)	dB	20	
Lightning protection		DC ground	

Notes

- *1 : See previous page for details
- *2 : Qty 2 included

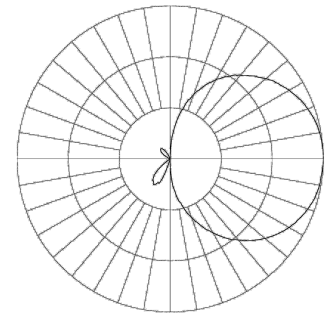
Mechanical Specifications

Width	in (mm)	50 (1270)	
Depth	in (mm)	23 (584)	
Length/ Height	in (mm)	30 (762)	
Weight	lbs (kg)	30 (13.62)	
Mounting Hardware (Included)		Clamp004	*2

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Rated wind velocity (no ice)	mph (km/h)	125 (201)
Rated wind velocity (1/2" radial ice)	mph (km/h)	85 (137)
Lateral Thrust (100 mph No Ice)	lbs (N)	202 (898.5)

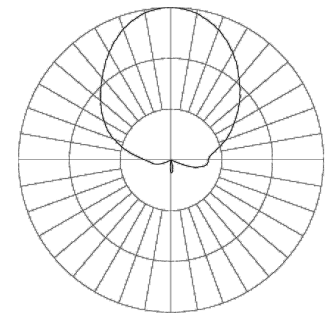
SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Azimuth
Relative Gain - 10 dB per Division

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