

ST321R-SF1SNF(CWH) Mobile omni, 0 dBd, 14 MHz B.W., N-female, White, 406-420 MHz

Also referred as: EXCAL321RNF*1W

- For use in both fixed and mobile installations
- Proven performance in harsh environments
- Available with white or grey radome
- Available with N-Female or BNC-Female connector

Minimum 30" x 30" ground plane is required.

Sinclair's radome-enclosed ST321R series of antennas is designed for a variety of mobile applications: railroad locomotives, taxis, police cars, emergency vehicles, buses and trucks.

Fire retardant radome is available.



www.sinctech.com

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

Product Specification Sheet
EPR 016270
Customer Tech Manual 005665

ST321R-SF1SNF(CWH)

Issue: 10

Dated: 14-12-16
Dated: 30-09-13

Electrical Specifications

Frequency Range	MHz	406 to 420	
Bandwidth	MHz	14	
Connector		N-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	*2
Average Power Input (max)	W	30	
Lightning protection		DC ground	

Notes

- *1 : Similar to 1/4 wave monopole.
- *2 : Similar to 1/4 wave monopole.

Mechanical Specifications

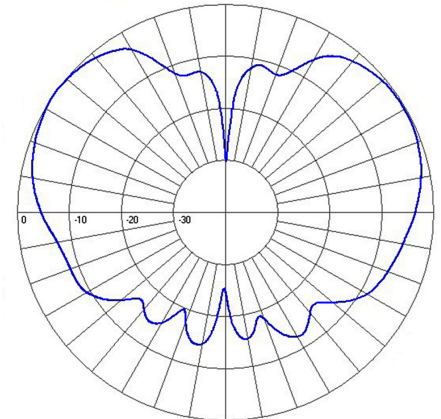
Width	in (mm)	3.8 (97)
Length/ Height	in (mm)	3 (76)
Length	in (mm)	11.8 (300)
Radome material		ABS (white)
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	13x8x5 (330x203x127)
Ground Plane (min)	in (mm)	30x30
Mounting hardware		Supplied

Ordering Information

Specify operating frequency.

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
-------------------	---------	--------------------------



Elevation

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