

ST321R-SF5SNF(CWH) Mobile omni, 0 dBd, 20 MHz B.W., N-female, White, 490-512 MHz

Also referred as: EXCAL321RNF*5W

- For use in both fixed and mobile installations
- Proven performance in harsh environments

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.



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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 016270
Customer Tech Manual 005665

ST321R-SF5SNF(CWH)

Issue: 9

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Electrical Specifications

Frequency Range	MHz	490 to 512	
Bandwidth	MHz	22	
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

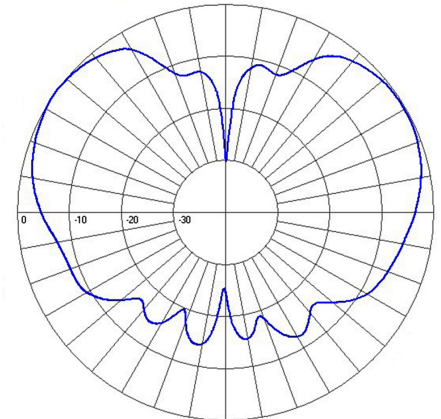
Width	in (mm)	3.8 (97)
Length/ Height	in (mm)	3 (76)
Length	in (mm)	11.8 (300)
Radome material		ABS (white)
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	13x8x5 (330x203x127)
Ground Plane (min)	in (mm)	30x30
Mounting hardware		Supplied

Ordering Information

Specify operating frequency.

Environmental Specifications

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

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