

ST321R-SF8SNF(CWH) Mobile omni, 0 dBi, 14 MHz B.W., N-female, White, 343-357 MHz

- 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.



www.sinctech.com

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 006688		ST321R-SF8SNF(CWH)	Issue: 1	Dated: 14-12-16 Dated: 30-08-16
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### Electrical Specifications

Frequency Range	MHz	343 to 357	*1
Bandwidth	MHz	14	*2
Connector		N-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	*3
Input VSWR (max)		2:1	*4
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	*5
Average Power Input (max)	W	50	
Lightning protection		DC ground	

### Notes

- \*1 : 20MHz B.W. (340-360MHz) w/ VSWR at 2.6:1
- \*2 : 20MHz B.W. (340-360MHz) w/ VSWR at 2.6:1
- \*3 : Similar to 1/4 wave monopole.
- \*4 : 340-360MHz @ 2.6:1
- \*5 : Similar to 1/4 wave monopole.

### Mechanical Specifications

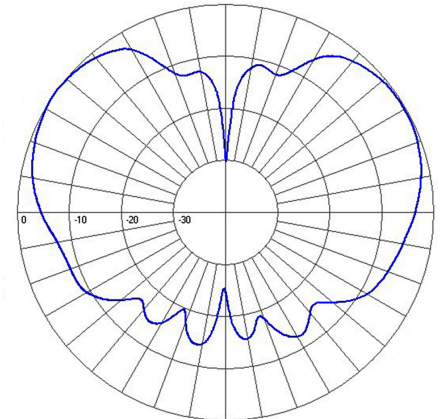
Width	in (mm)	3.8 (97)
Length/ Height	in (mm)	3 (76)
Length	in (mm)	11.8 (300)
Radome material		ABS (white)
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	13x8x5 (330x203x127)
Ground Plane (min)	in (mm)	30x30
Mounting hardware		Supplied

### 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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