

Antennas Low Band, Aviation, and VHF Antennas ST221 Series

ST221-SF4SNF Mobile omni, 0 dBd, 10 MHz bandwidth, 230-235 MHz

- 10 MHz bandwidth with VSWR of 1.5:1 or better
- Can be used for a wide range of mobile applications
- Made from cast aluminum
- · Highly durable and resistant to damage

A minimum 36" x 36" ground plane is required.

Sinclair's Excaliber ST221 series of antennas are designed for a wide range of mobile applications. Their design renders them relatively inconspicuous and resistant to damage. They have become a North American standard antenna for railroad locomotive service.



Antenna may not appear exactly as picture.

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
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Product Specification Sheet EPR 018563 Customer Tech Manual 005620		ST221-SF4SNF Sinclair's commitment to product leadership may result in i	Issue: 1	Dated: 08-08-17 Dated: 08-08-17

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Ordering Information

N/A

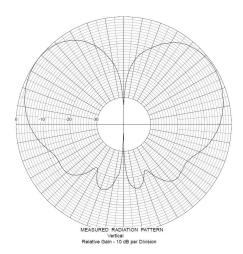
Electrical Specifications			
Frequency Range	MHz	230 to 235	
Bandwidth	MHz	5	
Connector		N-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	Ω 50	
Pattern		Omni-directional	
Average Power Input (max)	W	250	
Lightning protection		DC ground	

Mechanical Specifications

Width	in (mm)	2.2 (56)	
Depth	in (mm)	16.5 (419)	
Length/ Height	in (mm)	4 (102)	
Mounting hardware		Hardware Kit 353414	
Actual shipping weight	lbs (kg)	5 (2.27)	
Shipping dimensions	in (mm)	3x5x25 (76x127x635)	
Ground Plane (min)	in (mm)	36x36	

Environmental Specifications

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