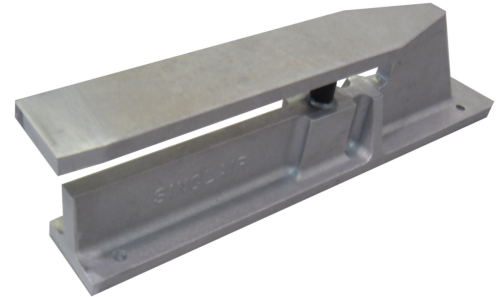


ST221-SF4SNF Mobile omni, 0 dBd, 10 MHz bandwidth, 230-235 MHz

- 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.

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

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	50
Pattern		Omni-directional
Average Power Input (max)	W	250
Lightning protection		DC ground

Mechanical Specifications

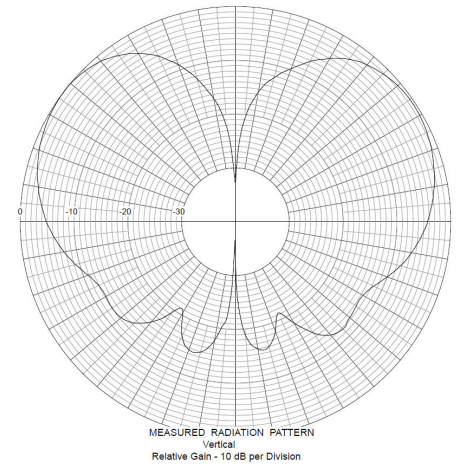
Width	in (mm)	2.2 (56)
Depth	in (mm)	16.5 (419)
Length/ Height	in (mm)	4 (102)
Mounting hardware		Hardware Kit 353414
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	3x5x25 (76x127x635)
Ground Plane (min)	in (mm)	36x36

Environmental Specifications

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

Ordering Information

N/A



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