

ST221-SF2SUF(FXXXX) Mobile omni, 0 dBd, 162-174 MHz

Also referred as: EXCAL221UF-XXXX

- Low profile for a wide range of mobile applications
- Cast aluminum
- 2.5 MHz bandwidth
- Applications include: trains, taxis, police cars, emergency vehicles, buses and trucks

A minimum 48" x 48" ground plane is required.

Sinclair's Excaliber ST221 series of antennas are low profile antennas 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.

A minimum 48" x 48" ground plane is required.



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 018351 Customer Tech Manual 005112		ST221-SF2SUF(FXXXX)	Issue: 1	Dated: 20-10-15 Dated: 14-07-08

Electrical Specifications

Frequency Range	MHz	162 to 174
Bandwidth	MHz	2.5
Connector		UHF-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	300
Lightning protection		DC ground

Mechanical Specifications

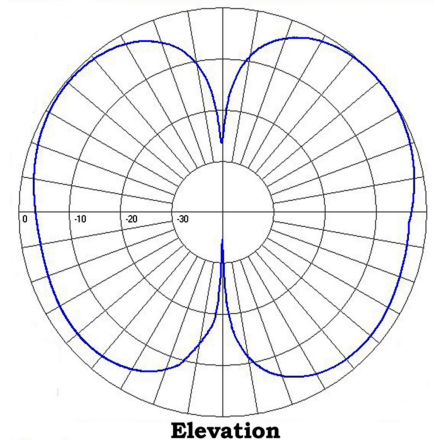
Width	in (mm)	2.2 (56)
Depth	in (mm)	21.5 (546)
Length/ Height	in (mm)	4 (102)
Actual Shipping weight	lbs (kg)	7 (3.18)
Shipping dimensions	in (mm)	3x5x25 (76x127x635)
Ground Plane (min)	in (mm)	48x48
Mounting hardware		Supplied

Environmental Specifications

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

Ordering Information

Specify exact frequency at time of order. For frequency 165.8 MHz, please use model number ST221-SF2SNF(F1660). The part number should be to the nearest 0.5 MHz.



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