

ST221-SF1SUF(FXXXX) Mobile omni, 0 dBd, 138-163 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 62" x 42" 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 62" x 42" ground plane is required.



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Product Specification Sheet EPR 018350 Customer Tech Manual 005112		ST221-SF1SUF(FXXXX)	Issue: 2	Dated: 14-12-16 Dated: 25-01-16

Electrical Specifications

Frequency Range	MHz	138 to 163
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

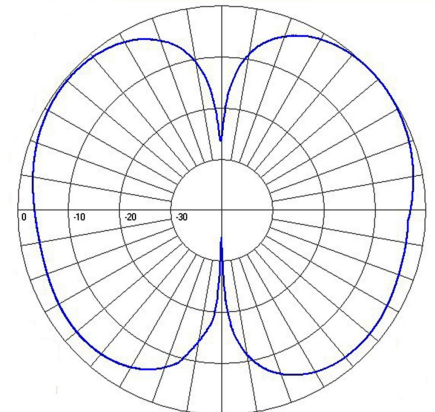
Width	in (mm)	2.2 (56)
Depth	in (mm)	24.5 (622)
Length/ Height	in (mm)	4 (102)
Actual shipping weight	lbs (kg)	6 (2.72)
Shipping dimensions	in (mm)	3x5x25 (76x127x635)
Ground Plane (min)	in (mm)	62x42
Mounting hardware		Supplied

Environmental Specifications

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

Specify exact frequency at time of order. For frequency 160.8 MHz, please use model number ST221-SF1SUF(F1610). The part number should be to the nearest 0.5 MHz.



Elevation

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