

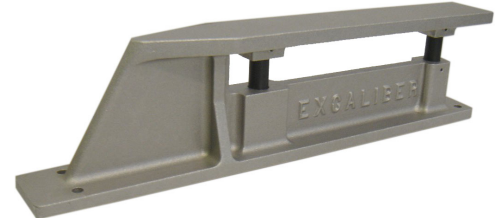
ST221-SF3SUF      Mobile omni, 0 dBd, 217-223 MHz

Also referred as: EXCAL221\*220

- 6 MHz bandwidth
- 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.



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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### Electrical Specifications

Frequency Range	MHz	217 to 223
Bandwidth	MHz	6
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

### Notes

\*1 : maximum length

### Mechanical Specifications

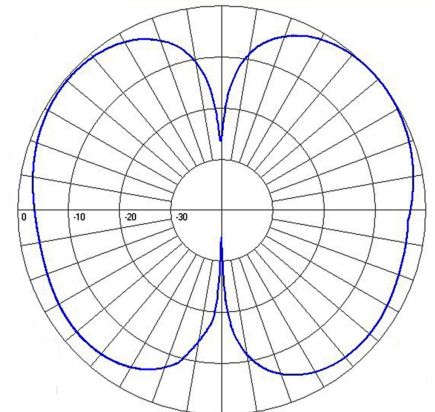
Width	in (mm)	2.13 (54)
Depth	in (mm)	17 (432) *1
Length/ Height	in (mm)	4.06 (103)
Actual shipping weight	lbs (kg)	6.3 (2.86)
Shipping dimensions	in (mm)	3x5x25 (76x127x635)
Ground Plane (min)	in (mm)	36x36
Mounting hardware		HK221A

### Ordering Information

N/A

### Environmental Specifications

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

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