

[< Home](#)  
[< Family](#)

## ST121R

Mobile omnidirectional antenna, 0 dBd gain, low profile, 25-50 MHz

- Low profile rugged design covers a range of mobile applications
- Radome-enclosed with top tuning option
- Applications include rail, taxis, police cars, emergency vehicles, buses and trucks

Rugged low profile antenna is designed for a variety of mobile applications: railroad locomotives, taxis, police cars, emergency vehicles, buses and trucks.

Model	Description
<a href="#">ST121R-SFXSUF</a>	0 dBd gain, UHF (female) connector, 25-50 MHz
<a href="#">ST121R-SFXSUF(E4864)</a>	43.79-44.29 MHz
<a href="#">ST121R-SFXSUF(F4404-F4406)</a>	Mobile omni antenna, 0 dBd gain, low profile, 25-50 MHz

Pattern
Omni-directional
Omni-directional
Omni-directional



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	USA: 1 800 263 3275	International: +44 (0) 1223 42 03 03	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet		ST121R		Dated: 05-02-10

[ST121R-SFXSUF](#)

[ST121R-SFXSUF\(E4864\)](#)

[ST121R-SFXSUF\(F4404-F4864\)](#)

**Electrical Specifications**

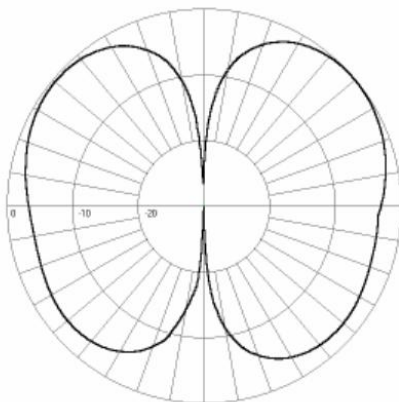
Frequency Range, MHz	25 to 50	43.79 to 44.29	43.79 to 44.29
Gain (nominal), dBd (dBi)	unity (2.1)	unity (2.1)	unity (2.1)
Input VSWR (max)	1.5:1	2:1	2:1
Polarization		vertical	
Pattern	Omni-directional	Omni-directional	Omni-directional
Average Power Input (max), W	300	300	300
Lightning protection	DC ground	DC ground	DC ground

**Mechanical Specifications**

Connector	UHF (female)	UHF (female)	UHF (female)
Length/ Height, in (mm)	6.8 (173)	6.8 (173)	6.8 (173)
Width, in (mm)	5.7 (145)	5.7 (145)	5.7 (145)
Radome material	ABS (gray)	ABS (gray)	ABS (gray)
Weight, lbs (kg)	11 (5)	10 (4.5)	11 (5)
Actual Shipping weight, lbs (kg)	10 (4.5)	13 (5.9)	10 (4.5)
Shipping dimensions, in (mm)	60x6x7 (1524x152x178)	50x5.7x6.8in127x14.48x17.27cm ( )	60x6x7 (1524x152x178)
Length, in (mm)	57.3 (1455)	50 (1270)	57.3 (1455)
Ground Plane, in (mm)	48x72x0.5 (1219x1829x13)	48x72x0.5 (1219x1829x13)	48x72x0.5 (1219x1829x13)

**Environmental Specifications**

Temperature range, °F (°C)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)
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Elevation

ST121R-SFXSUF

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