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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
ST121R-SFXSUF	0 dBd gain, UHF (female) connector, 25-50 MHz
ST121R-SFXSUF(E4864)	43.79-44.29 MHz
ST121R-SFXSUF(F4404-F4406)	Mobile omni antenna, 0 dBd gain, low profile, 25-50 MHz

Pattern
Omni-directional
Omni-directional
Omni-directional



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet		ST121R		Dated: 05-02-10

[ST121R-SFXSUF](#)

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

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

Electrical Specifications

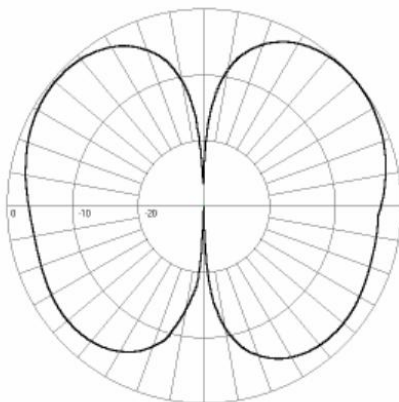
Frequency Range, MHz	25 to 50	43.79 to 44.29	43.79 to 44.29
Gain (nominal), dBd (dBi)	unity (2.1)	unity (2.1)	unity (2.1)
Input VSWR (max)	1.5:1	2:1	2:1
Polarization		vertical	
Pattern	Omni-directional	Omni-directional	Omni-directional
Average Power Input (max), W	300	300	300
Lightning protection	DC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