

**ST321-SF3SUF** Mobile omni, 0 dBd, 15 MHz bandwidth, UHF-female, 450-465 MHz

Also referred as: EXCAL321AUF\*3

- Compact, low profile
- Cast aluminum antenna designed for use in both fixed and mobile installations
- Proven performance in harsh environments

**Minimum 30" x 30" ground plane is required.**

Sinclair's ST321 series of UHF transit antennas are low profile rugged alternative to quarter wave whips. These antennas are an excellent choice for low clearance applications on trains, public transit vehicles, construction equipment, police vehicles, etc.

The antenna is supplied with the appropriate hardware to ensure a weather proof installation.

The ST321 series of antennas are of a high strength cast aluminum design.

Minimum 30" x 30" ground plane is required.



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	450 to 465	
Bandwidth	MHz	15	
Connector		UHF-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	*2
Average Power Input (max)	W	50	
Lightning protection		DC ground	

### Notes

- \*1 : Similar to 1/4 wavelength monopole.  
\*2 : Similar to 1/4 wavelength monopole.

### Mechanical Specifications

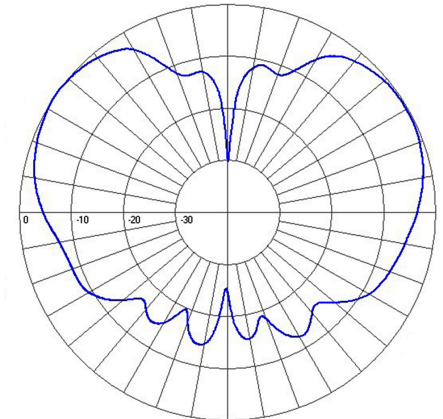
Width	in (mm)	2.5 (64)
Depth	in (mm)	7.5 (191)
Length/ Height	in (mm)	2.5 (64)
Actual shipping weight	lbs (kg)	3 (1.36)
Shipping dimensions	in (mm)	4.75x7.25x10.75 (121x184x273)
Ground Plane (min)	in (mm)	30x30
Mounting hardware		Supplied

### Ordering Information

Specify exact operating frequency and connector option.  
Available with BNC-female, N-female, and UHF-female connector

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Rated wind velocity (no ice)	mph (km/h)	310 (499)



**Elevation**

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