

SC320-SF4SNM

Collinear omni antenna, 10 dBd gain, 440-450 MHz

(SRL320)

- Wide band, high gain, omni-directional antenna of rugged construction
- DC grounded for lightning protection
- Tapered radome used to reduce wind loading
- Recommend using the SMK-225-A3 side mounting kit.

The SC320 is a wideband, high gain, omni-directional antenna of rugged construction. A stub projecting through the top and the antenna feed point are maintained at DC ground potential for lightning protection. Severe weather conditions have been fully considered in its construction. It can be installed with confidence wherever wind, ice and snow will be a problem. The SC320 features an extra long support pipe for ease of mounting, using the rugged clamps supplied.



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Product Specification Sheet
EPR 017719

SC320-SF4SNM

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Notes

*1 : Worst case rated wind and ice.

Electrical Specifications

Bandwidth	MHz	10
Frequency Range 1 (F1)	MHz	440 to 450
Polarization		vertical
Gain (nominal)	dBi (dBd)	12.1 (10)
Impedance	Ω	50
Lightning protection		DC ground
Pattern		Omni-directional
Input VSWR (max)		1.5:1
Vertical beamwidth	degrees	6
Average power input (max)	W	250

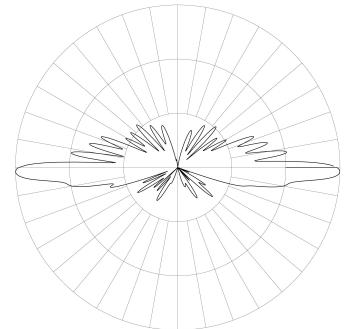
Ordering Information

Specify frequency band of operation.
Recommend using the SMK-225-A3 side mounting kit.

Mechanical Specifications

Shipping dimensions	mm (in)	6960x102x102 (274x4x4)
Weight	kg (lbs)	11.4 (25)
Shipping weight	kg (lbs)	38.6 (85)
Length	mm (in)	6706 (264)
Connector		N (male)
Base pipe diameter	mm (in)	73 (2.9)
Mounting hardware		#5 clamp

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MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation

Relative Gain - 10 dB per Division

Environmental Specifications

Rated wind velocity (1/2" radial ice)	km/h (mph)	177 (110)
Rated wind velocity (no ice)	km/h (mph)	233 (145)
Temperature range	°C (°F)	-30 to +60 (-22 to +140)
Lateral thrust (100mph)	N (lbs)	458.1 (103) *1