

Overview

Southwest Antennas Part # 1085-223 features 5.15 - 5.25 GHz frequency coverage, with a 4 section collinear element design that provides 6 dBi of gain.

The heavy-duty sealed spring base gives the antenna flexibility if impacted, reducing the risk of damage to the mated RF connector. The sealed spring provides protection against fouling from rain, sand, dirt, dust, mud and other contaminants.

Features:

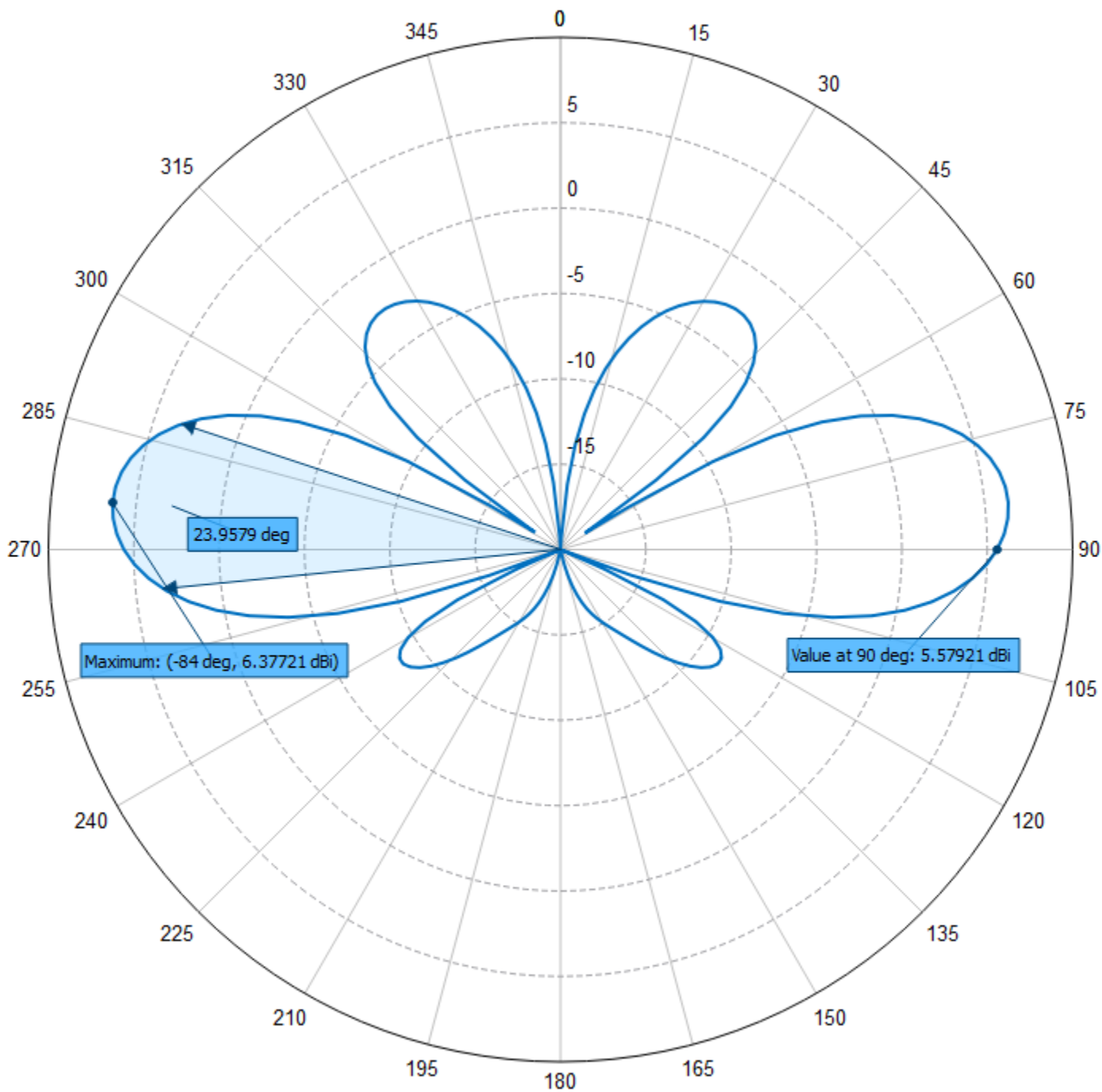
- 4 section collinear design
- 5.15 - 5.25 GHz frequency band coverage
- 50W power handling
- 6 dBi omni-directional radiation pattern
- Rugged construction
- Low-glare matte black fiberglass radome
- Heavy-duty sealed spring base for use in all weather conditions
- End cap lettering "C."
- Black chrome Type-N(m) Rotating RF connector



Antenna Specifications

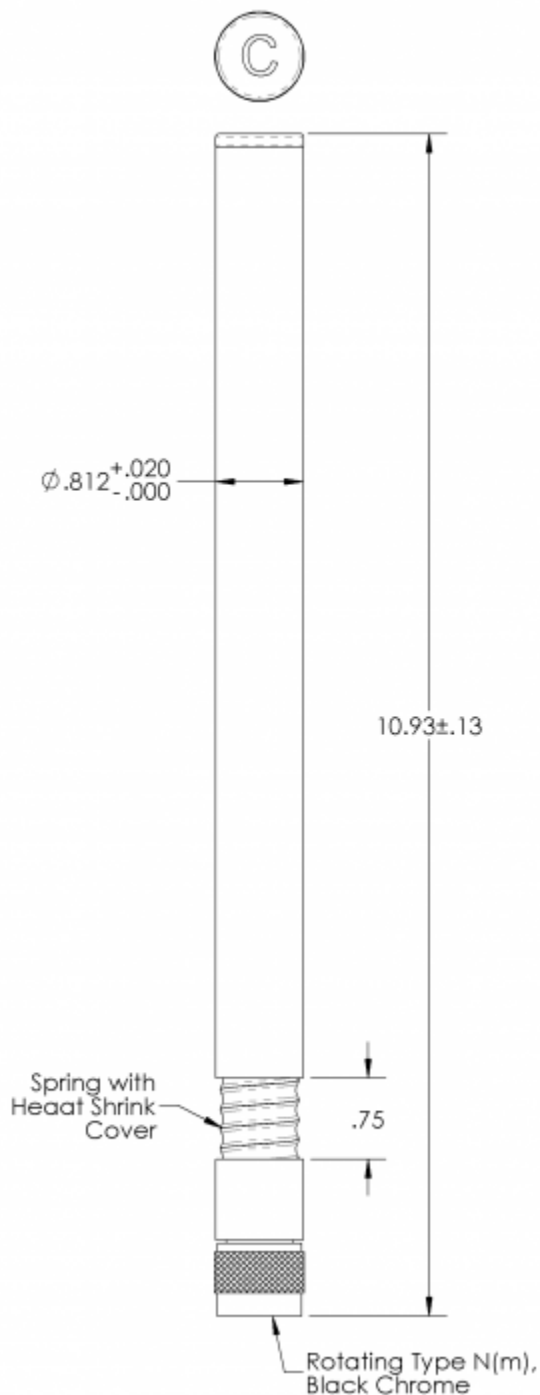
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	C		
Impedance	50	Ohms	
Minimum Frequency	5.15 / 5,150	GHz / MHz	
Maximum Frequency	5.25 / 5,250	GHz / MHz	
Frequency Bandwidth	0.1 / 100	GHz / MHz	
Maximum VSWR	<2:1	Ratio	
Maximum Gain	6.3	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	24	Degrees	
Ground Plane Required	No		
Antenna Labeling	End Cap Lettering "C."		
Radome Material	G10 Fiberglass		
Color	Black		
Spring or Gooseneck	Spring		
Spring Length	0.75 / 19.05	inches / mm	
Spring Diameter	0.75 / 19.05	inches / mm	
Spring Bend	±45	Degrees	Maximum (exceeding ±45 degrees may damage spring weather seal)
Maximum Wind Velocity	62 / 100	mph / kph	

Parameter	Value	Units	Tolerance
RF Connector Type	Type-N(m)		
RF Connector Features	Black Chrome		
Product Height	10.93 / 277.62	inches / mm	±.13"
Product Diameter	0.81 / 20.62	inches / mm	+.020" / -.000"
Product Weight	3.5 / 99.8	oz / grams	



Elevation Pattern

Referenced to +10 dBi



Engineering Drawing

All dimensions are in inches