

Overview

Southwest Antennas Part # 1085-233 is an omni-directional antenna featuring a 4 section collinear element design that offers 6 dBi of peak gain across the antenna's 4.4 - 5.0 GHz operating frequency range. The antenna features a weatherproof sealed spring base for operation in all weather conditions and a TNC(m) RF connector.

Features:

- Broad Band Coverage
- 4.4 - 5.0 GHz
- 4 Section Collinear
- 6 dBi Omni Radiation Pattern
- Rugged Construction
- Low-Glare Black Radome
- Weatherproof Sealed Spring Base
- End Cap Lettering "C"
- Black Chrome TNC(m) RF Connector



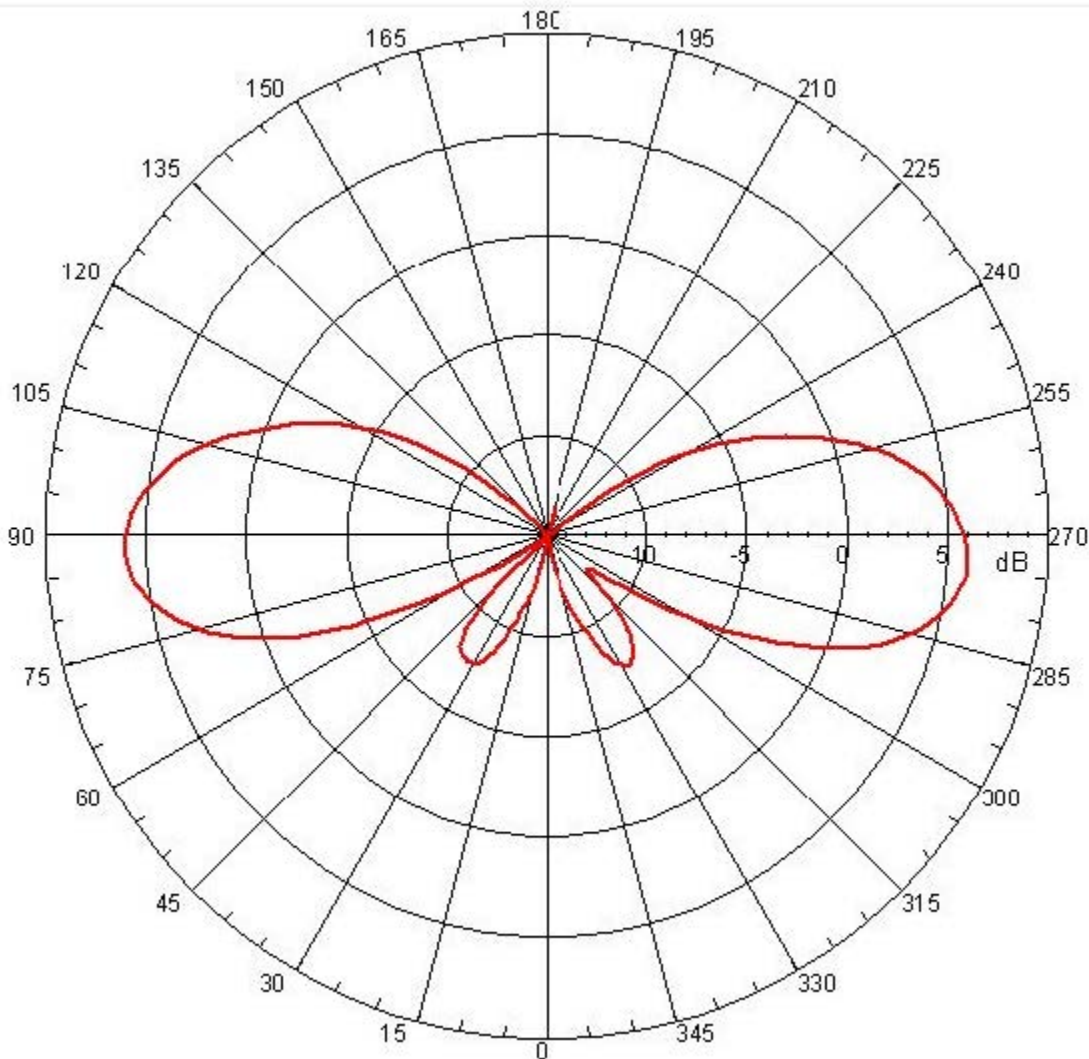
Antenna Specifications

Parameter	Value	Units	Tolerance
Frequency Band	C		
Impedance	50	Ohms	
Minimum Frequency	4.4 / 4,400	GHz / MHz	
Maximum Frequency	5.0 / 5,000	GHz / MHz	
Frequency Bandwidth	0.6 / 600	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	6	dBi	
Polarization	Vertical		
Maximum RF Input Power	8	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	30	Degrees	
Ground Plane Required	No		
Radome Material	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	
RF Connector Type	TNC(m)		
RF Connector Features	Black Chrome		



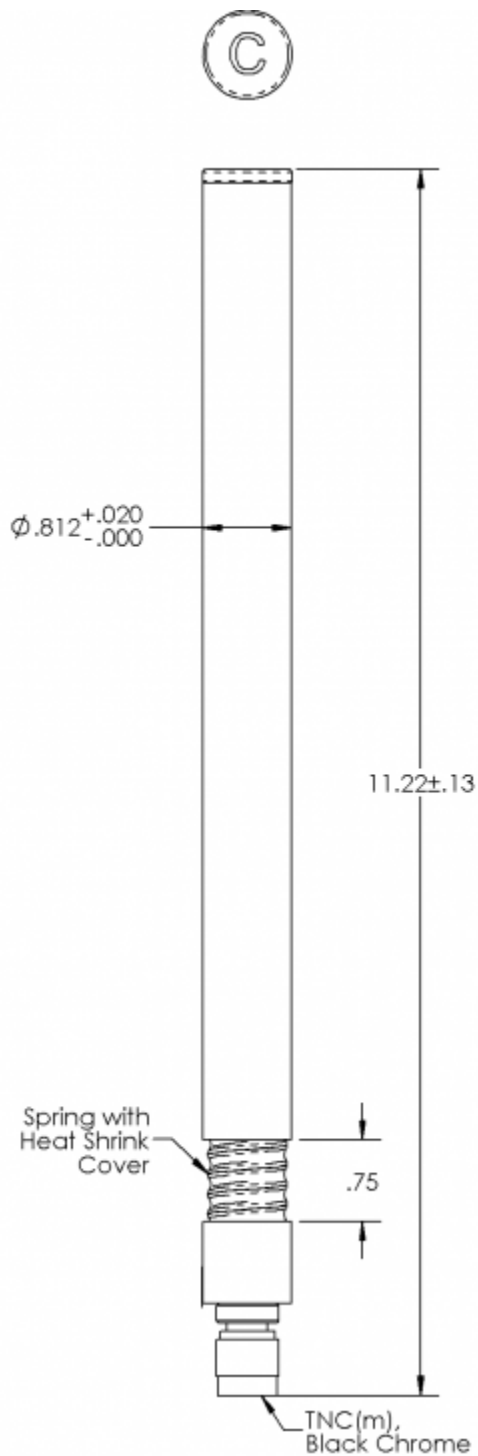
Part # 1085-233
Omni Antenna, 4 Section Collinear, 4.4 - 5.0 GHz, 6 dBi Gain,
Weatherproof Sealed Spring Base, TNC(m) RF Connector

Parameter	Value	Units	Tolerance
Product Height	11.22 / 284.99	inches / mm	±.13"
Product Diameter	0.81 / 20.62	inches / mm	+.020" / -.000"
Product Weight	3.7 / 104.9	oz / grams	



Elevation Pattern

Referenced to +10 dBi



Engineering Drawing

All dimensions are in inches