

Overview

Southwest Antennas Part # 1085-099 is an omni-directional antenna that operates from 4.4 - 5.0 GHz, with a 2 section collinear design that offers 4.2 dBi of peak gain.

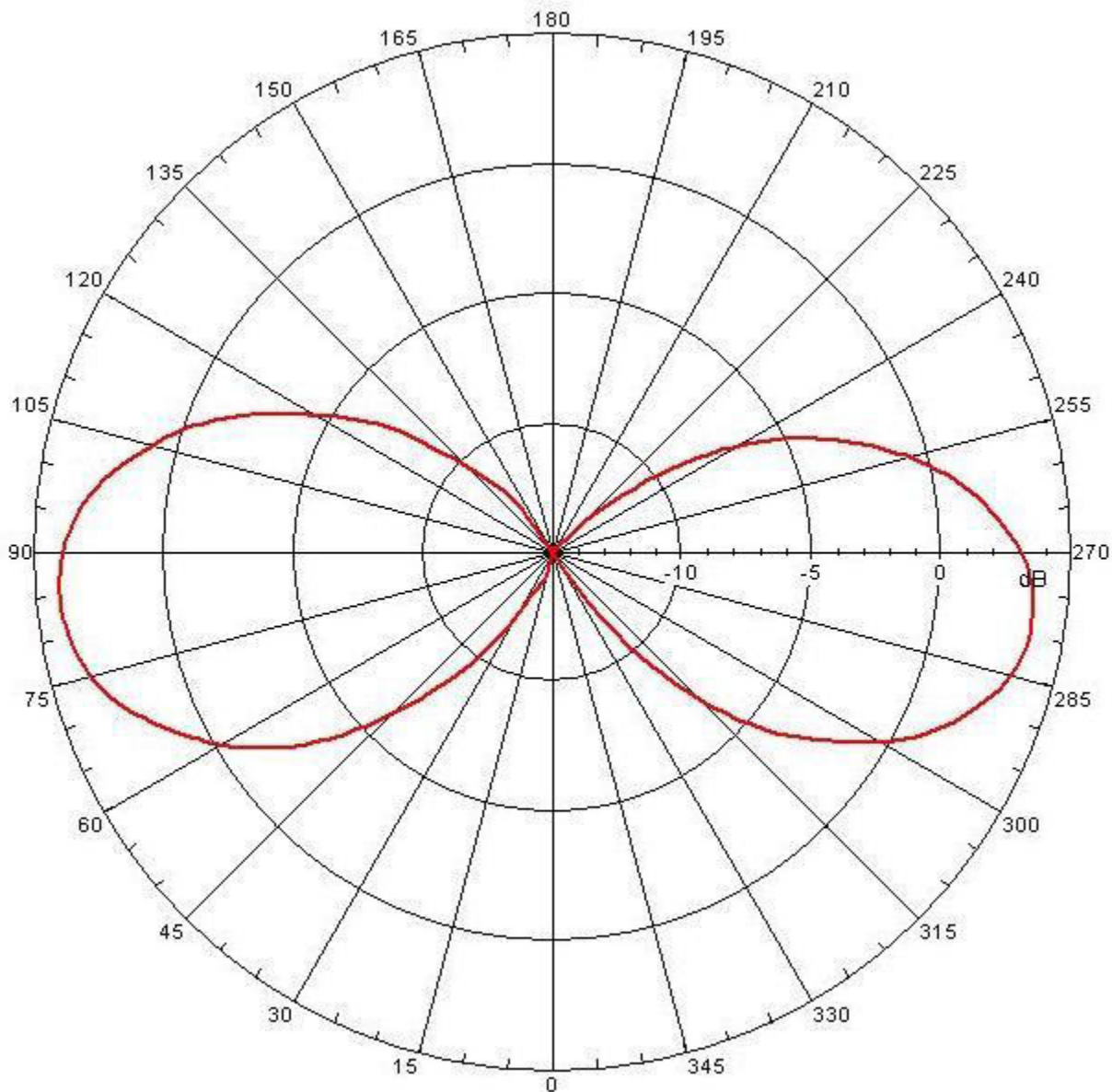
Features:

- Broad Band Coverage
- 2 Section Collinear
- 4.4 - 5.0 GHz
- 50W Power Handling
- 4.2 dBi Omni Radiation Pattern
- Rugged Construction Low Glare Black Fiberglass Radome
- End Cap Lettering "C"
- TNC(m) RF Connector



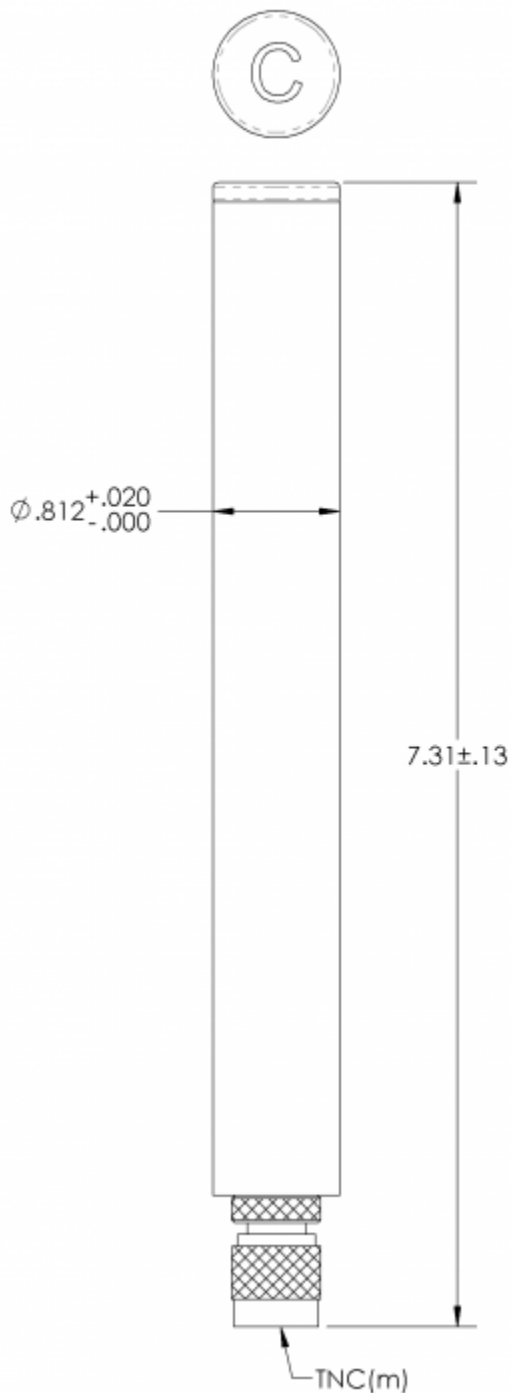
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
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	4.2	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	37	Degrees	
Ground Plane Required	No		
Radome Material	Fiberglass		
Color	Black		
Mount Style	RF Connector		
Maximum Wind Velocity	100 / 161	mph / kph	
RF Connector Type	TNC(m)		
Product Height	7.31 / 185.67	inches / mm	±0.13"
Product Diameter	0.81 / 20.62	inches / mm	+0.02" / -.000"
Product Weight	3.4 / 96.4	oz / grams	



Elevation Pattern

Referenced to 4.2 dBi



Engineering Drawing

All dimensions are in inches