

## Overview

Southwest Antennas part # 1001-259 is a small form factor, half-wave dipole antenna designed for operation from 1.4 - 1.6 GHz, with a peak gain of 2.0 dBi.

This antenna features an integrated flexible spring base which provides strain relief for the antenna and mated RF connectors, reducing risk of damage to the antenna or attached radio if the antenna is struck by another object. A matte black finish and black chrome RF connector are ideal for tactical or low visibility operations.

## Features:

- Half Wave Dipole
- 1.4 - 1.6 GHz
- 50W Power Handling
- 2 dBi Omni Radiation Pattern
- Rugged Construction
- Low Visibility Black Fiberglass Radome
- Open Coil Spring Base
- Black Chrome Type-N(m) Connector



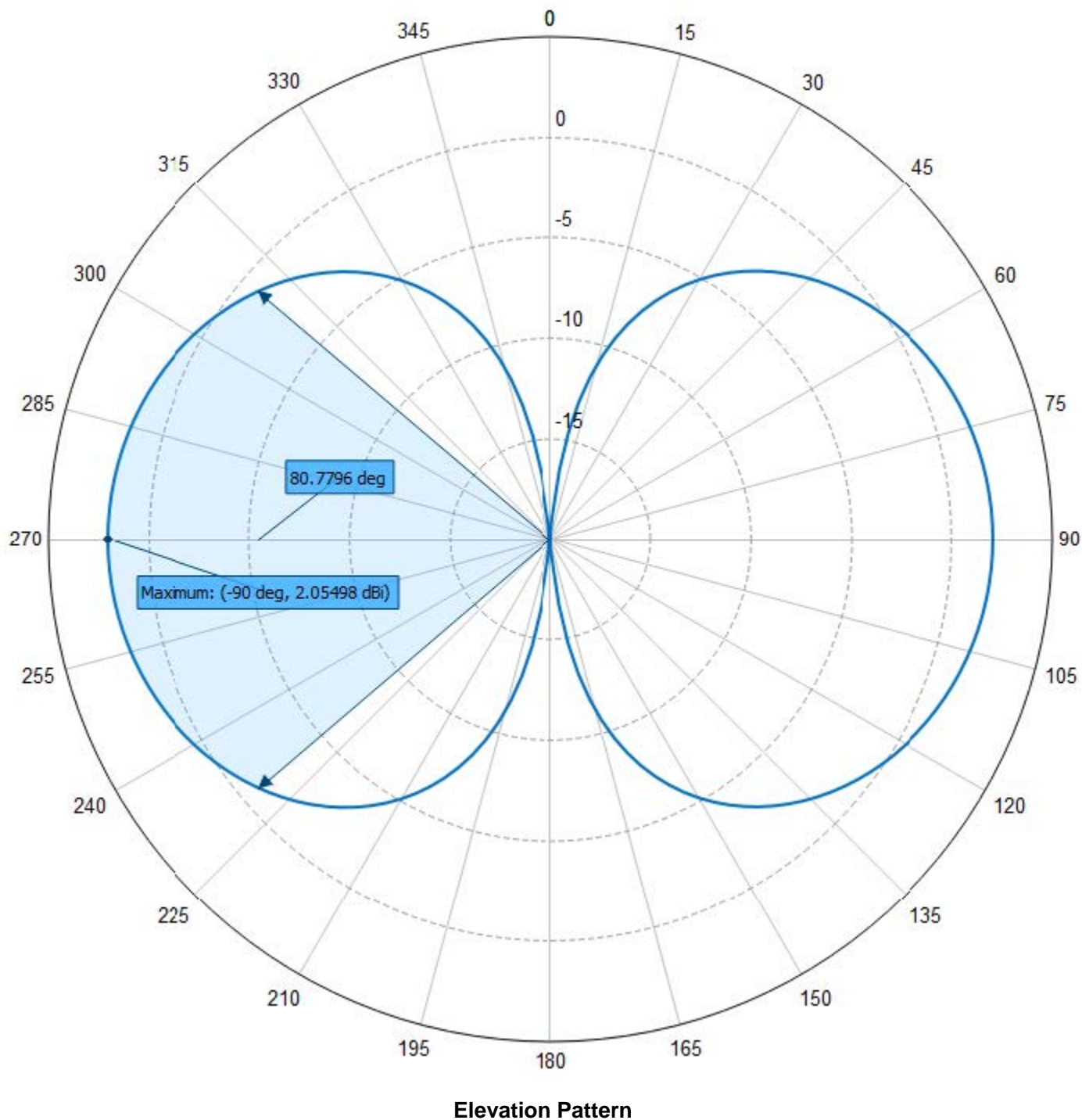
## Antenna Specifications

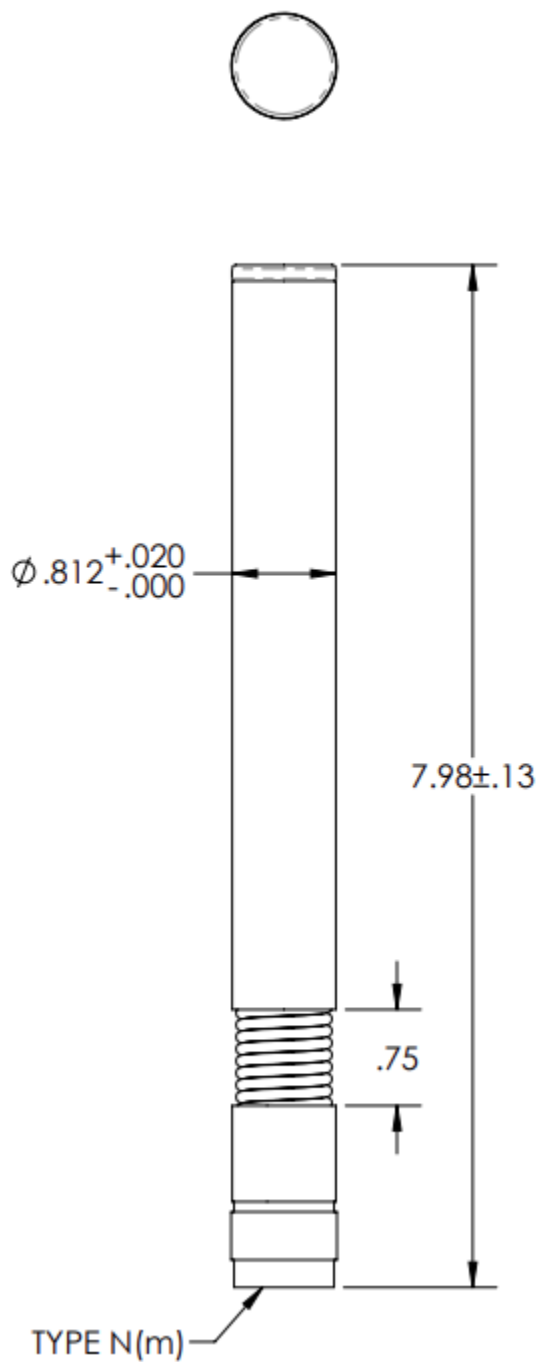
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	L		
Impedance	50	Ohms	
Minimum Frequency	1.4 / 1,400	GHz / MHz	
Maximum Frequency	1.6 / 1,600	GHz / MHz	
Frequency Bandwidth	0.2 / 200	GHz / MHz	
Maximum VSWR	<2:1	Ratio	
Maximum Gain	2	dBi	
Polarization	Vertical		
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	80	Degrees	
Ground Plane Required	No		
Radome Material	Fiberglass		
Color	Black		
Spring or Gooseneck	Spring		
Gooseneck Length	0.75 / 19.05	inches / mm	
Gooseneck Diameter	0.75 / 19.05	inches / mm	
Maximum Wind Velocity	62 / 100	mph / kph	
RF Connector Type	Type-N(m)		
Product Height	7.98 / 202.69	inches / mm	±.13"
Product Diameter	0.81 / 20.62	inches / mm	+.020" / -.000"

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Parameter	Value	Units	Tolerance
Product Weight	2.7 / 77.1	oz / grams	

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**Engineering Drawing**

All dimensions are in inches