

Overview

Southwest Antennas Part # 1001-149 is a half wave dipole omni antenna with a frequency range of 1,250 - 1,850 GHz and 2.05 dBi of peak gain.

1001-149 features an integrated 3" RF Gooseneck with black chrome TNC(m) RF connector, which contributes to the improvement of RF link margin and overall antenna performance. Our proprietary antenna design and manufacturing process ensures optimum antenna RF performance.

The TNC(m) RF connector can be easily secured or removed from equipment in the field by a single gloved hand, no tools required.

Antennas with integrated RF Goosenecks are ideal for handheld video receivers, portable radio systems, or any other mobile communication platform. The RF Gooseneck can be threaded through MOLLE gear or other tactical vest hardware for added security while moving.

A rugged flat black fiberglass radome provides protection from damage and gives the antenna a low visibility finish. The integrated RF Gooseneck allows the antenna to bend and deflect away from impacts during indoor or outdoor operations.

Features

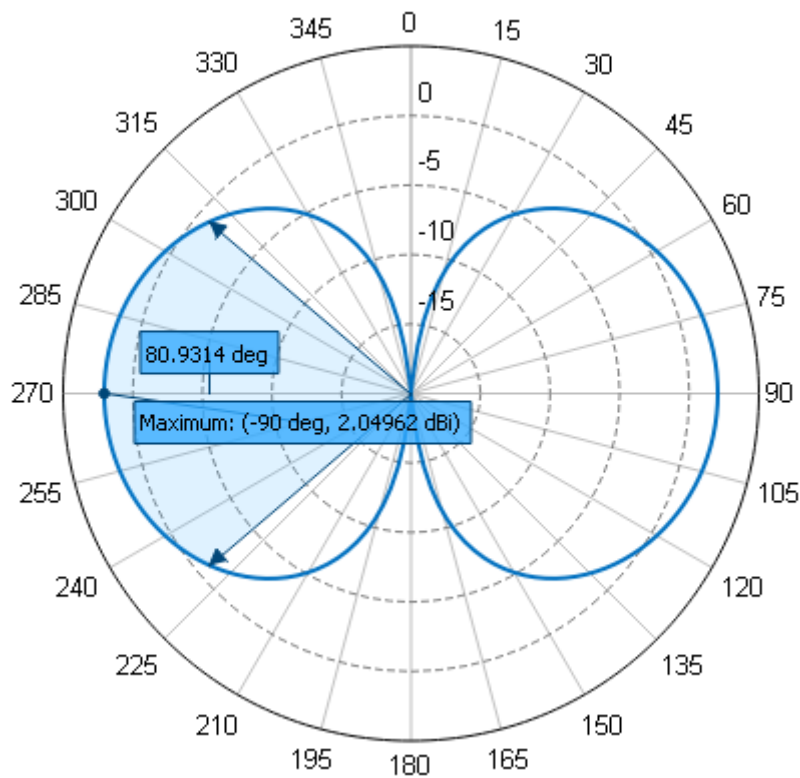
- Broad Band Coverage
- Half Wave Dipole Design
- 1,250 - 1,850 MHz
- 50W Power Handling
- 2.05 dBi Omni Radiation Pattern
- Integrated RF Coaxial Gooseneck with Waterproof Heatshrink Seal
- Black Chrome Non-Rotating TNC(m) Connector



Product Specifications

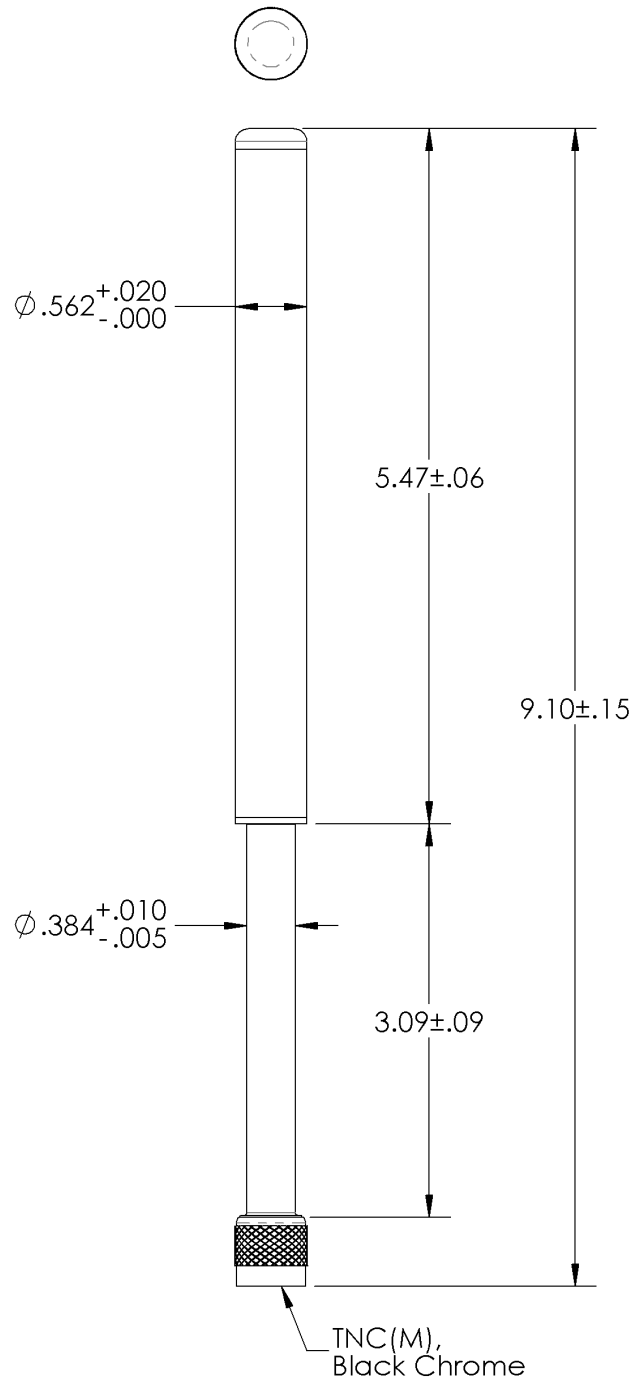
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	L		
Impedance	50		
Minimum Frequency	1.25 / 1,250	GHz / MHz	
Maximum Frequency	1.85 / 1,850	GHz / MHz	
Frequency Bandwidth	0.6 / 600	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.05	dBi	
Polarization	Vertical		
Color	Black		
Maximum RF Input Power	50	Watts	
Horizontal AZ Beamwidth	360	Degrees	
Vertical EL Beamwidth	81	Degrees	
Spring Or Gooseneck	Gooseneck		
Spring	No		
Gooseneck	Yes		
Gooseneck Length	3.09 / 78.49	inches / mm	±.09"
Gooseneck Diameter	.384 / 9.754	inches / mm	+.010" / -.005"
Ground Plane Required	No		
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Finish	Black Chrome		
Product Height	9.10 / 231.14	inches / mm	±.15"

Parameter	Value	Units	Tolerance
Product Diameter	.562 / 14.275	inches / mm	+.020" / -.000"
Product Weight	2.24 / 63.50	oz / g	



Elevation Pattern

Referenced to +5 dBi



Engineering Drawing

All dimensions are in inches