

Overview

Southwest Antennas Part # 1001-116 is a half wave dipole omni antenna with a frequency range of 1.35 to 1.40 GHz and 2.15 dBi of peak gain.

1001-116 features an integrated 3.33" RF Gooseneck with black chrome non-rotating Reverse Polarity SMA(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 non-rotating Reverse Polarity SMA(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
- 1.35 - 1.40 GHz
- 2.15 dBi Omni Radiation Pattern
- 50W Power Handling
- Integrated 3-Inch RF Coaxial Gooseneck
- Rugged Flat Black Fiberglass Radome
- Black Chrome Non-Rotating Reverse Polarity SMA(m) RF Connector



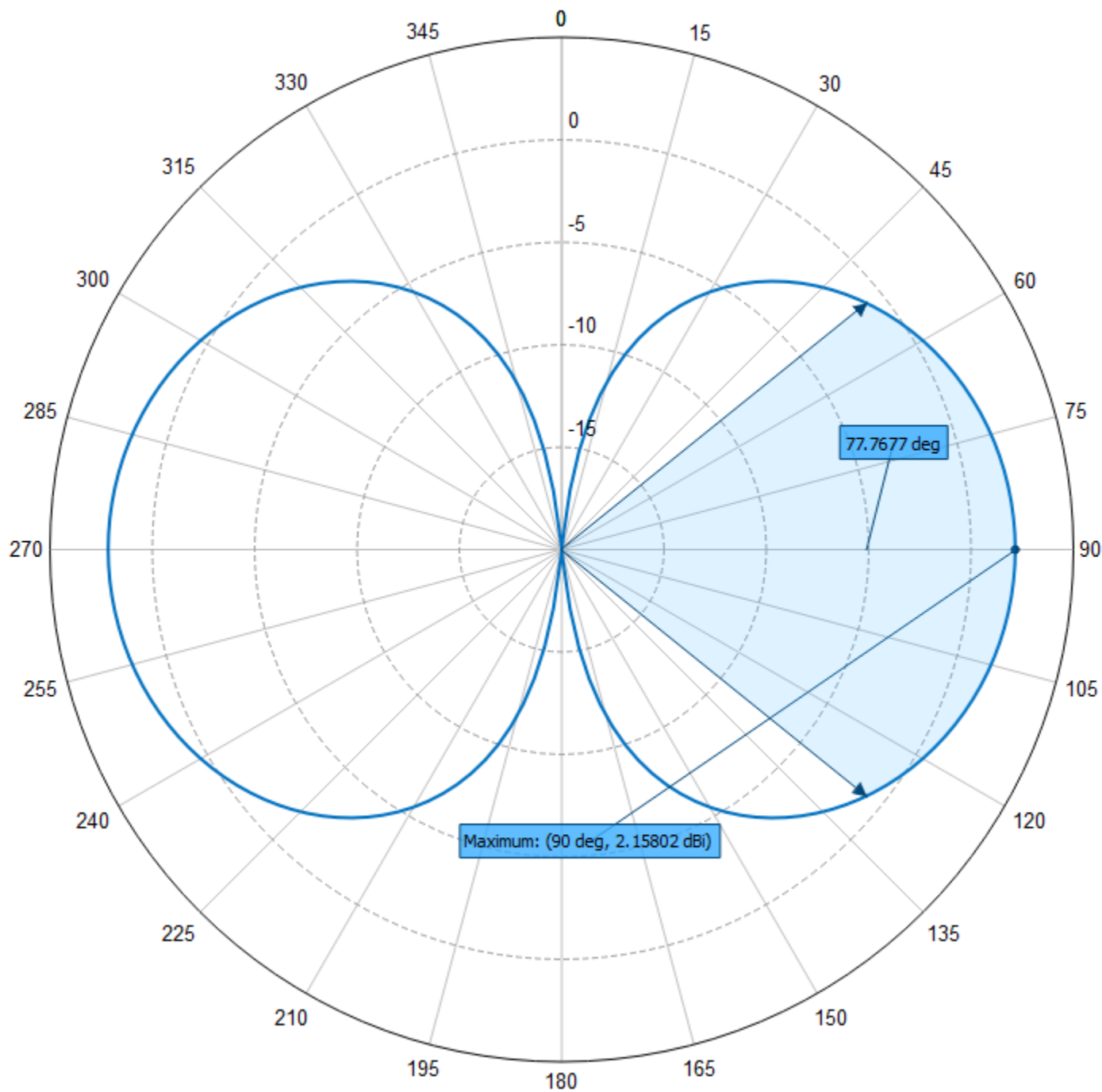
Antenna Specifications

| Parameter | Value | Units | Tolerance |
|---------------------------|------------------------|-------------|------------------|
| Antenna Pattern | Omni Antenna | | |
| Frequency Band | L | | |
| Impedance | 50 | Ohms | |
| Minimum Frequency | 1.35 / 1,350 | GHz / MHz | |
| Maximum Frequency | 1.4 / 1,400 | GHz / MHz | |
| Frequency Bandwidth | 0.05 / 50 | GHz / MHz | |
| Maximum VSWR | 2:1 | Ratio | |
| Maximum Gain | 2.15 | dBi | |
| Polarization | Vertical | | |
| Horizontal (AZ) Beamwidth | 360 | Degrees | |
| Vertical (EL) Beamwidth | 77 | Degrees | |
| Ground Plane Required | No | | |
| Radome Material | Fiberglass G10 | | |
| Color | Flat Black | | |
| Spring or Gooseneck | Gooseneck | | |
| Gooseneck Length | 3.33 / 84.58 | inches / mm | ±0.09" |
| Gooseneck Diameter | 0.35 / 8.89 | inches / mm | +0.010" / -.005" |
| RF Connector Type | RP-SMA(m) Non-Rotating | | |
| RF Connector Features | Black Chrome | | |
| Product Height | 8.67 / 220.22 | inches / mm | ±0.15" |
| Product Diameter | 0.56 / 14.27 | inches / mm | +0.02" / -.000" |



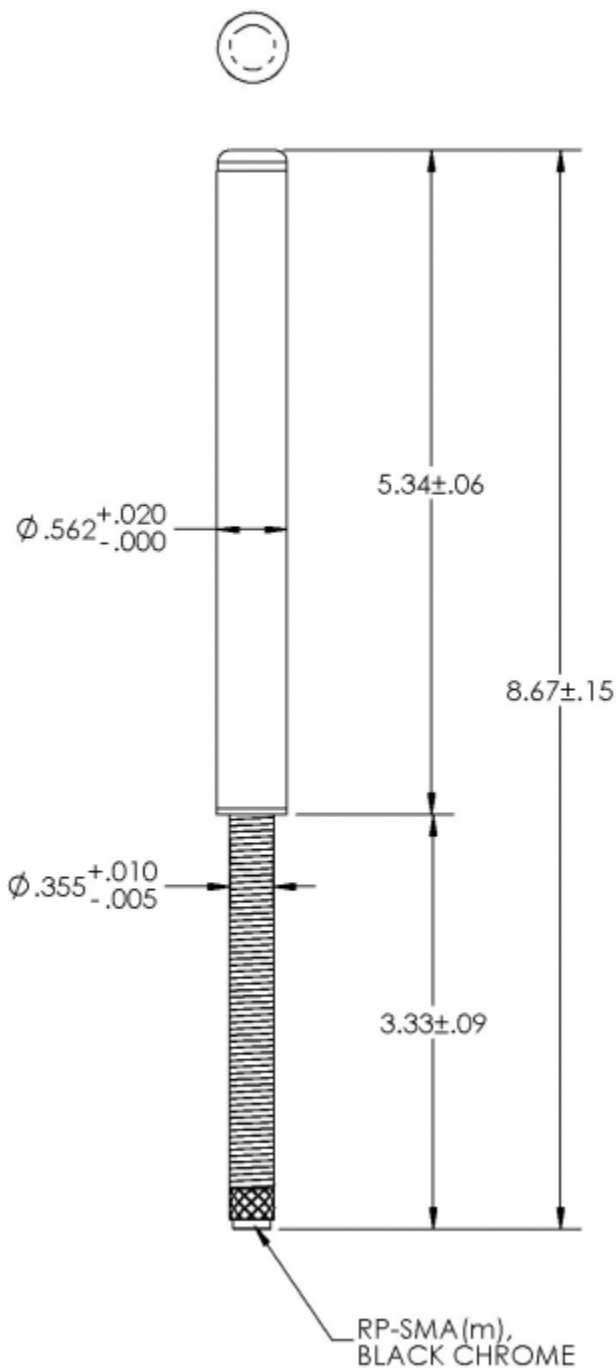
Part # 1001-116
Omni Antenna, Half Wave Dipole, 1.35 - 1.40 GHz, 2.15 dBi, Integrated RF
Gooseneck

| Parameter | Value | Units | Tolerance |
|----------------|------------|------------|-----------|
| Product Weight | 2.0 / 56.7 | oz / grams | |



Elevation Pattern

Referenced to +5dBi



Engineering Drawing

All dimensions are in inches