

Overview

Southwest Antennas Part # 1040-035 is a 5" RF coaxial gooseneck assembly that allows for flexible antenna mounting options. The RF coaxial gooseneck assembly allows omni antennas to be mounted in different positions with respect to other antennas. This becomes particularly useful when dealing with MIMO radio antenna setups & dismounted user applications.

Features:

- DC - 8 GHz
- .47" Diameter Flex-Arm (Includes Primary Seal)
- Durable Neoprene (Raychem NTFR) Heat Shrink Primary Seal
- Two Secondary Polyolefin Heat Shrink Seals
- Waterproof to 20 meters (65.6 ft)
- Low RF Insertion Loss
- Black Chrome RF Connectors
- Bend & Hold Greater Than 45°
- Type-N Male (Non Rotating) RF Connectors
- Light-Weight Design
- Rugged Design
- Black Finish / Low Visibility

Applications:

- Transmit & Receive Antennas
- Handheld Radios
- Body Worn Radios & Systems
- Small Form Factor Radios
- Unattended Sensor Systems
- Dismounted Communications
- Precision Surveying Receivers
- Unmanned Ground Vehicles
- I.E.D. Recognition & Destruction Jamming Systems
- Asset Tracking
- Oil & Gas Industries
- Law Enforcement
- Military & Defense



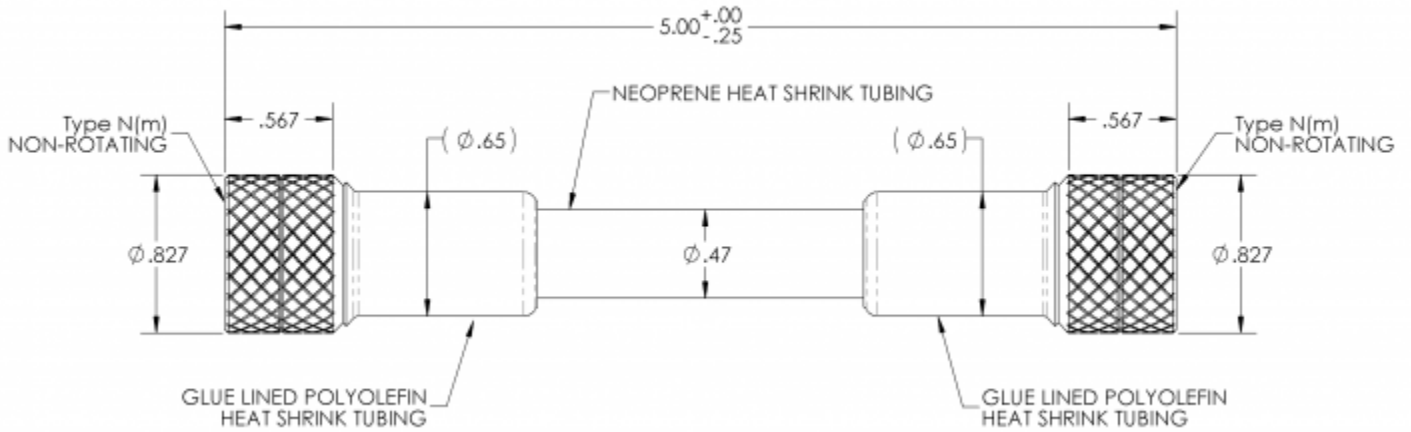
RF Gooseneck Specifications

| Parameter | Value | Units | Tolerance |
|---|--|-------------|-----------------|
| RF Gooseneck Impedance | 50 | Ohms | |
| RF Gooseneck Operating Frequency Range | DC to 8 GHz | | |
| RF Gooseneck Insertion Loss (Typical) | 500MHz = -.2dB, 1GHz = -.3dB, 2GHz = -.4dB, 3GHz = -.5dB, 4GHz = -.5dB, 5GHz = -.6dB, 6GHz = -1.0dB, 7GHz = -1.0dB, 8GHz = 1.0dB | | |
| RF Gooseneck VSWR (Max) | 2.0:1 | | |
| RF Gooseneck Power Handling (Max) | 50 | Watts | |
| RF Gooseneck Max Load Vertically Mounted | 3.50 / 1.59 | lbs / kg | |
| RF Gooseneck Max Load Horizontally Mounted | 3.50 / 1.59 | lbs / kg | |
| RF Gooseneck Flexarm Material | Steel and aluminum construction | | |
| RF Gooseneck Flexarm Finish | Gooseneck flex arm covered and sealed with primary Neoprene shrink tube (Raychem NTFR material), two secondary environmental seals provided by Polyolefin glue lined shrink tube (Raychem ATUM 3/4 material) | | |
| RF Gooseneck RF Connector Interfaces | MIL-STD-348 compliant RF Connectors, black chrome finish per MIL-DTL-14538 | | |
| RF Gooseneck RF Connector Types | Type-N(m) (non-rotating) | | |
| Waterproof | Gooseneck assembly to show no evidence of moisture internally when submerged in 20 meters of water (all connectors capped with QPL Type-N dust caps) | | |
| RF Gooseneck Operating Temp | -40 to +85 | C | |
| RF Gooseneck Storage Temp | -55 to +85 | C | |
| Product Length | 5.000 / 127.000 | inches / mm | + .000" - .250" |
| Product Diameter | 0.470 / 11.938 | inches / mm | ±0.1" |



Part # 1040-035
**RF Coaxial Gooseneck Assembly, 5.0" Length, 0.47" OD, Type-N(m) Non-
Rotating RF Connectors**

| Parameter | Value | Units | Tolerance |
|----------------|--------------|------------|-----------|
| Product Weight | 3.30 / 93.55 | oz / grams | |



Engineering Drawing

All dimensions are in inches