

Overview

Southwest Antennas Part # 1000-024 is an omni-directional monopole antenna designed for operation from 235 - 240 MHz, with a center frequency of 237.5 MHz. The antenna features a flexible whip, with a fully potted and waterproof base that contains the antenna's matching components. This rugged design allows the antenna to be deployed in harsh operating environments.

Note: Center frequency and bandwidth performance dependant on design of radio matching network & counterpoise size.

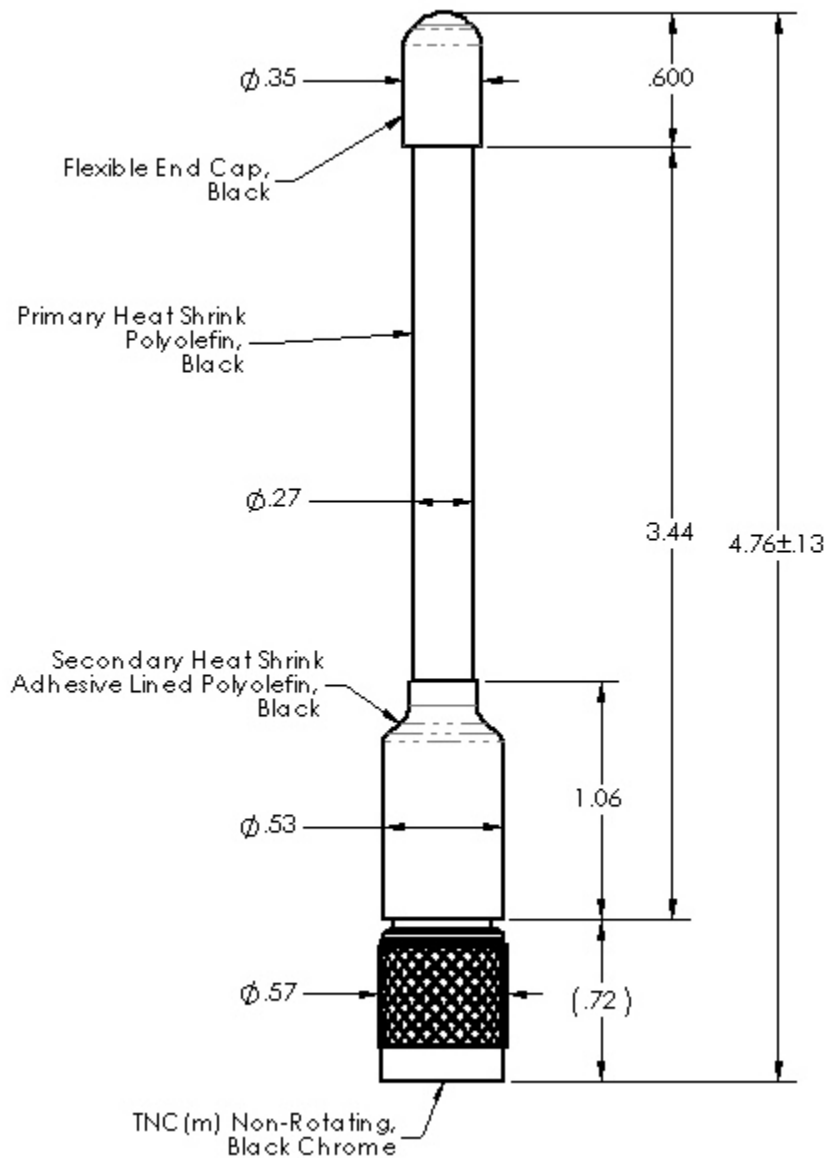
Features:

- 235 - 240 MHz frequency of operation
- Monopole Design (counterpoise size & radio matching network dependent)
- Spring Coil Radiating Element
- Small Form Factor Design
- Lightweight & Extremely Rugged Design
- Low Visibility / Reflectivity Black Finish
- Highly Flexible
- Waterproof & Fully Potted Design
- Black Chrome Non-Rotating TNC(m) RF Connector Interface



Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	VHF		
Impedance	50	Ohms	
Minimum Frequency	0.235 / 235	GHz / MHz	
Maximum Frequency	0.24 / 240	GHz / MHz	
Frequency Bandwidth	0.005 / 5	GHz / MHz	
Maximum Gain	0	dBi	When mounted to a counterpoise of 5.3" L x 2.2" W x 1.15" D
Polarization	Vertical		
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	94	Degrees	
Color	Black		
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Features	Black chrome finish		
Product Height	4.76 / 120.90	inches / mm	±.13"
Product Diameter	0.57 / 14.48	inches / mm	Measured at widest point of antenna
Product Weight	1.2 / 34.0	oz / grams	Nominal



Engineering Drawing

All dimensions are in inches