

Overview

Southwest Antennas Part # 1087-056 is a 4 section collinear dipole Omni antenna that operates in the 2.2 GHz - 2.5 GHz frequency band and features 6 dBi of gain. Overall antenna length is 13.75 inches, with an outside radome diameter of 0.812 inches. The antenna also features an integrated 3.5" flange mount base with lock-wired screw connection to the TNC(f) RF connector, making this antenna suitable for use with compatible aircraft and helicopter antenna mounts. This antenna can be paired with multi-antenna MIMO / MANET radio systems or used in single antenna system configurations.

Features:

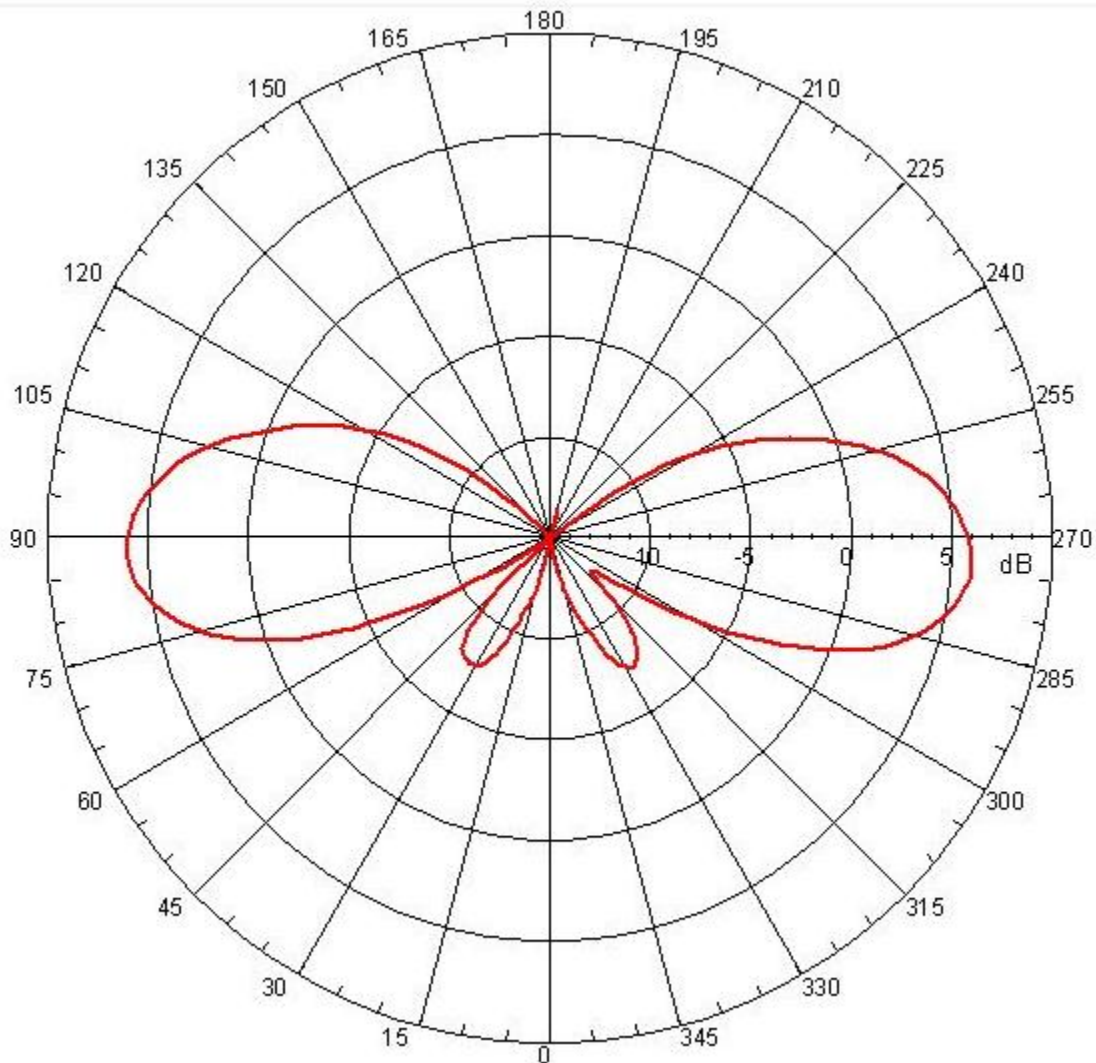
- Broad Band Coverage
- 2.2 - 2.5 GHz
- 50W power handling
- 6.0 dBi Omni Radiation Pattern
- Rugged Construction
- Low Glare Black Fiberglass Radome
- End Cap Lettering "S."
- Flange Mount Base
- TNC(f) RF Connector



Antenna Specifications

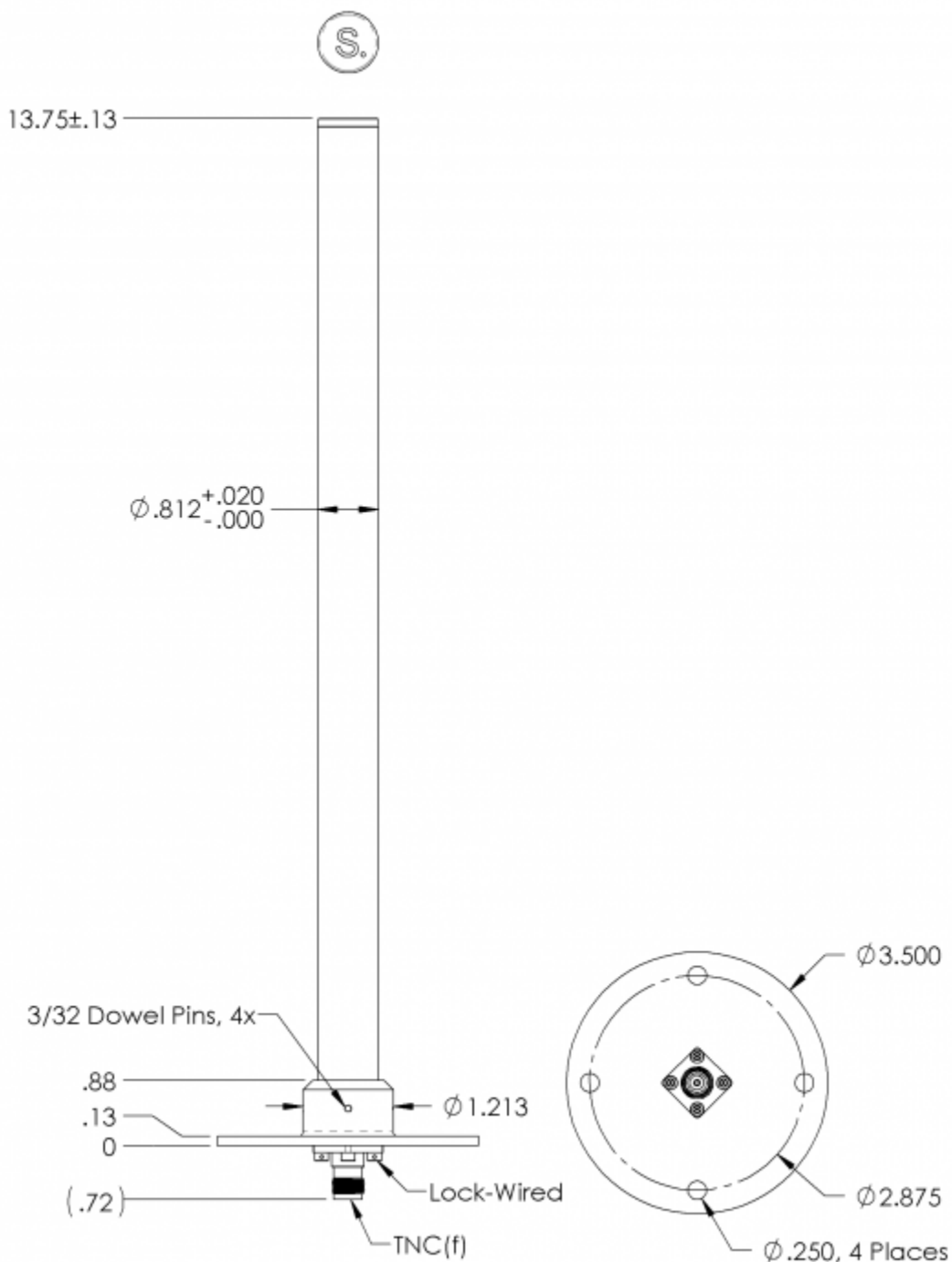
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	S		
Impedance	50	Ohms	
Minimum Frequency	2.2 / 2,200	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.3 / 300	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	6	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	30	Degreees	
Ground Plane Required	No		
Radome Material	Fiberglass		
Color	Black		
Mount Style	Flange Mount		
Mounting Holes or Studs	4x .250" Dia.		
Mount Diameter	3.50 / 88.90	inches / mm	
Maximum Wind Velocity	62 / 100	mph / kph	
RF Connector Type	TNC(f)		
Product Height	13.75 / 349.25	inches / mm	±.13"

Parameter	Value	Units	Tolerance
Product Diameter	0.81 / 20.62	inches / mm	+0.02" / -.000"
Product Weight	5.0 / 141.7	oz / grams	



Elevation Pattern

Referenced to 6 dBi



Engineering Drawing

All dimensions are in inches