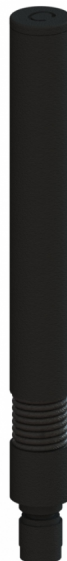


**Features:**

- Receive Only Antenna
- Broad Band Coverage
- 4.4 - 5.0 GHz
- 2 dBi Omni Radiation Pattern
- Embedded 4-Pole Ceramic Band Pass Filter
- Embedded 15dB LNA
- 1.6 dB LNA Noise Figure
- +24 dBm LNA IP3
- Line Powered: 50 mA @ 3.0 - 5.5 VDC
- Rugged Construction
- Low Glare Black All-Weather Finish
- Heavy Duty Spring Base
- Black Chrome RF Connector



**Antenna Specifications**

Parameter	Value	Units	Tolerance
<b>Antenna Pattern</b>	Omni Antenna		
<b>Frequency Band</b>	C		
<b>Impedance</b>	50	Ohms	
<b>Minimum Frequency</b>	4.4 / 4,400	GHz / MHz	
<b>Maximum Frequency</b>	5.0 / 5,000	GHz / MHz	
<b>Frequency Bandwidth</b>	0.6 / 600	GHz / MHz	
<b>Maximum VSWR</b>	2:1	Ratio	
<b>Maximum Gain</b>	2.1	dBi	
<b>Polarization</b>	Vertical		
<b>Maximum RF Input Power</b>			
<b>Horizontal (AZ) Beamwidth</b>	360	Degrees	
<b>Vertical (EL) Beamwidth</b>	81	Degrees	

Parameter	Value	Units	Tolerance
Ground Plane Required	No		
Color	Black		
Spring or Gooseneck	Spring		
Spring Length	0.75 / 19.05	inches / mm	
Spring Diameter	0.75 / 19.05	inches / mm	
Maximum Wind Velocity	100 / 161	mph / kph	
RF Connector Type	TNC(m)		
RF Connector Features	Black Chrome		
Product Height	7.50 / 190.50	inches / mm	±0.13"
Product Diameter	0.81 / 20.62	inches / mm	+0.02" / -.000"

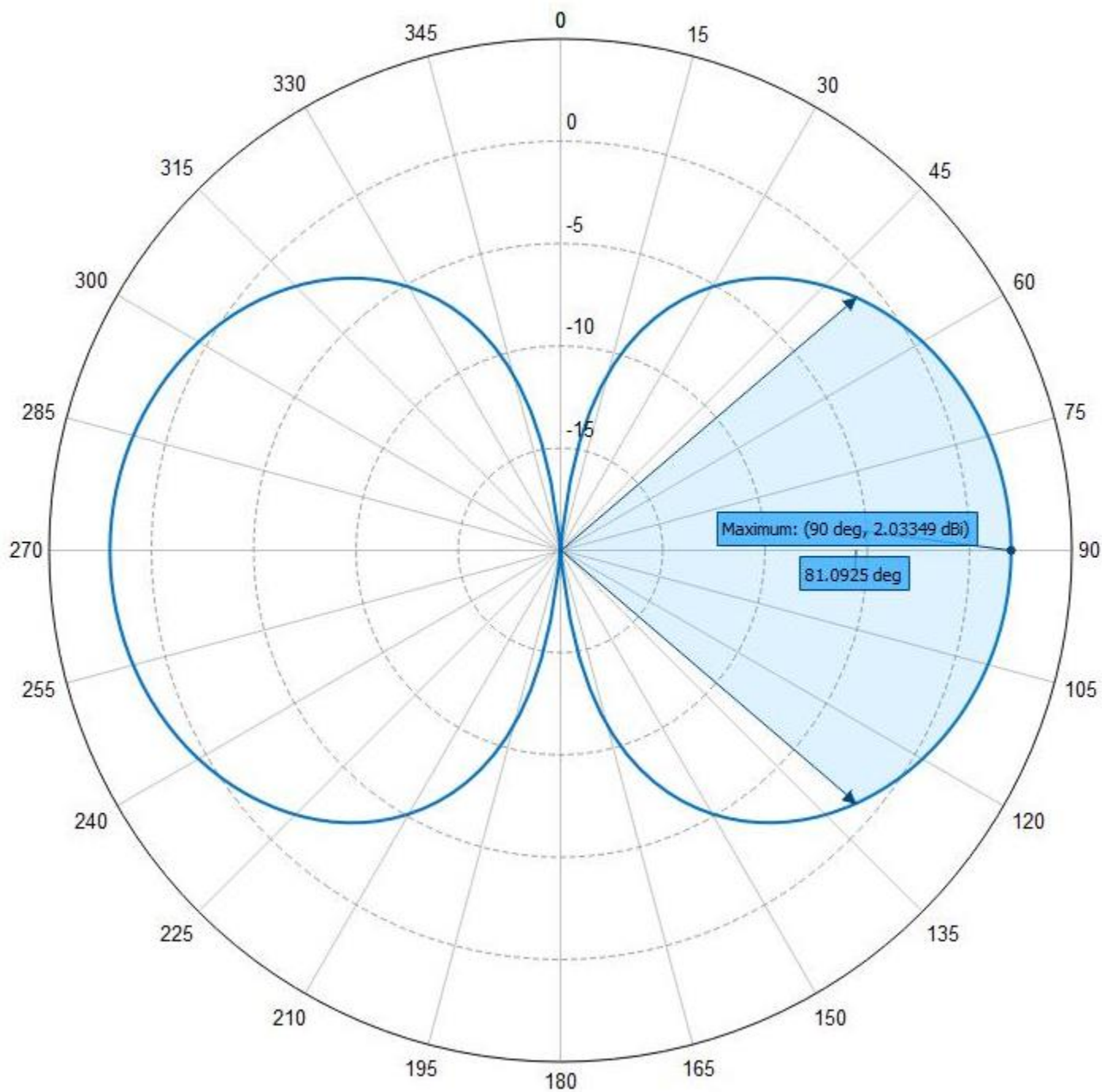
### LNA Specifications

Parameter	Value	Units	Tolerance
LNA Impedance	50	Ohms	
LNA Min Frequency	4.4 / 4,400	GHz / MHz	
LNA Max Frequency	5.0 / 5,000	GHz / MHz	
LNA Gain	17	dB	
LNA NF	1.6	dB	
Output P1dB	13	dBm	
Output IP3	24	dBm	
LNA DC Voltage Range	50	mA	

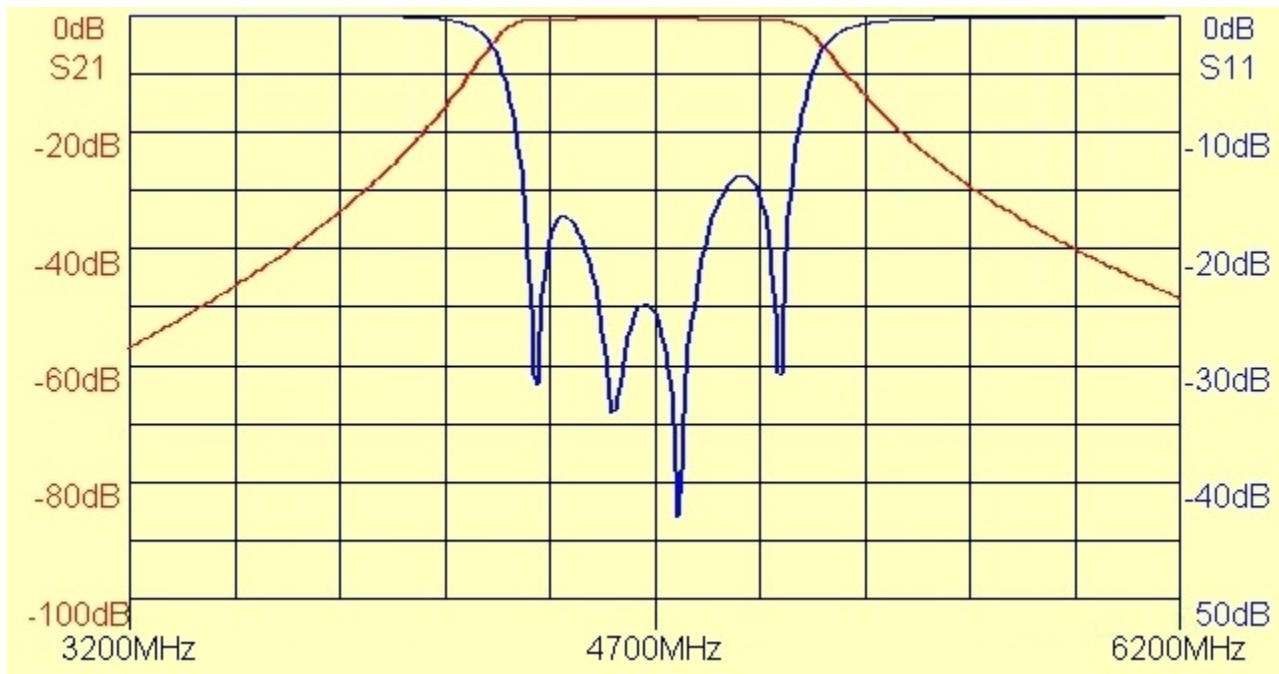
### Filter Specifications

Parameter	Value	Units	Tolerance
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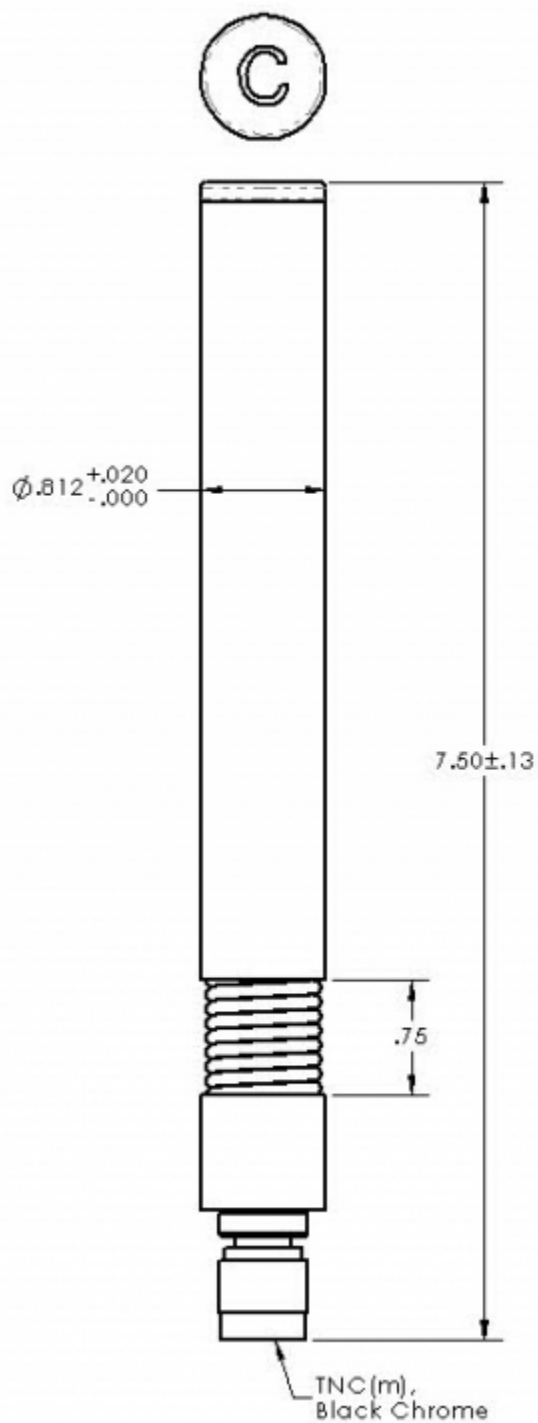
<b>Filter Type</b>	4mm, 4-pole Ceramic bandpass filter		
<b>Fo</b>	4.7 / 4,700	GHz / MHz	
<b>Insertion Loss</b>	<1.0	dBa	
<b>Return Loss</b>	15	dB	
<b>Rejection 3</b>	-35	dBc	Min @ 6000 MHz



**Elevation Pattern**



Filter Response Plot



### Engineering Drawing

Dimensions are in inches