

## Overview

Southwest Antennas Part # 1085-042 is an omni-directional antenna that operates across the 5.25 - 5.85 frequency range. The 4 section collinear design offers 6 dBi of peak gain. A flat black radome, black spring base, and black chrome RF connector make this antenna ideal for low-visibility applications.

## Features:

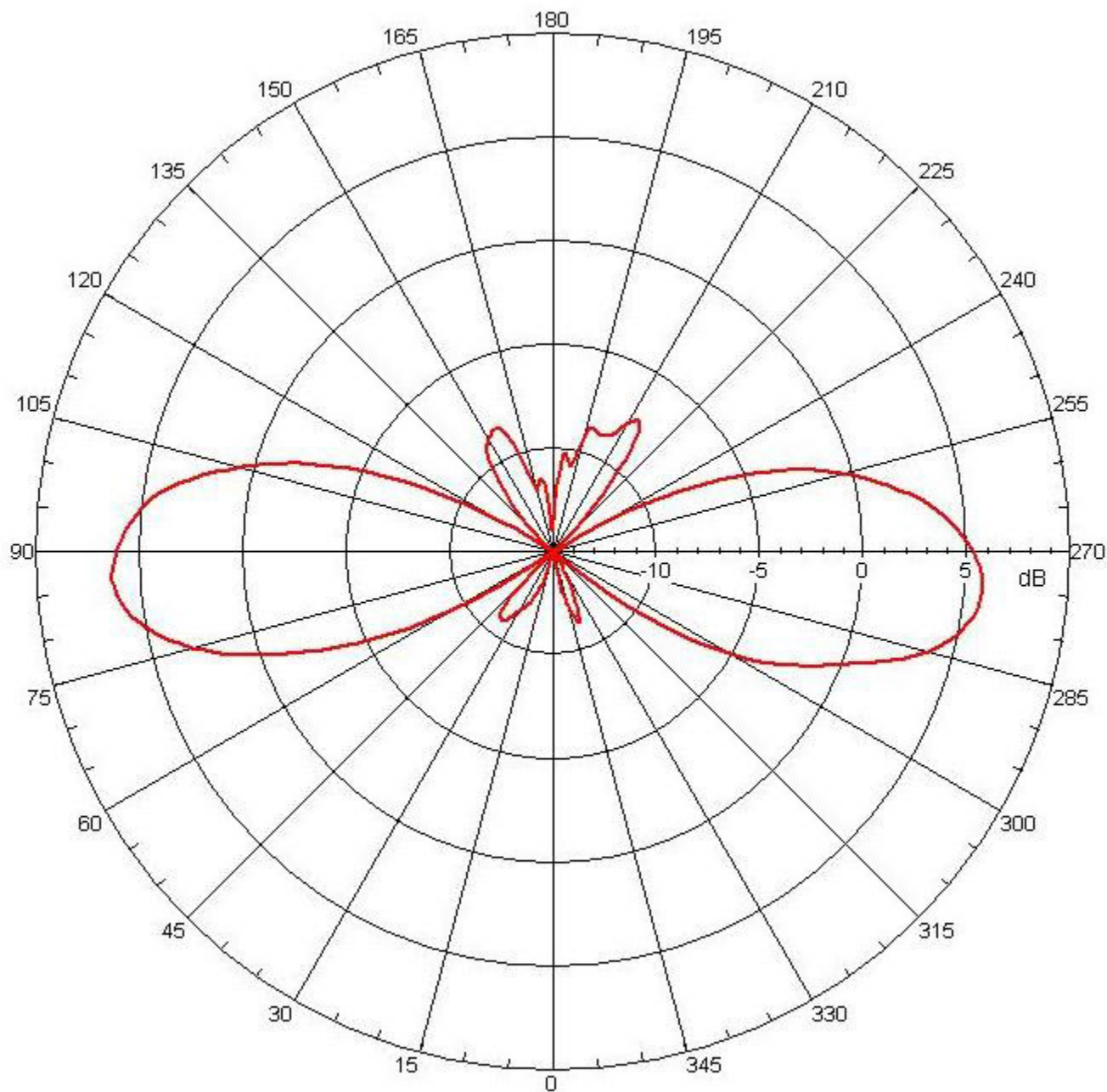
- Broad Band Coverage
- 4 Section Collinear
- 5.25 - 5.85 GHz
- 50W Power Handling
- 6 dBi Omni Radiation Pattern
- Rugged Construction Low Glare Black Fiberglass Radome
- Heavy Duty Spring Base
- End Cap Lettering "C"
- Black chrome Type-N(m) RF Connector



## Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	C		
Impedance	50	Ohms	
Minimum Frequency	5.25 / 5,250	GHz / MHz	
Maximum Frequency	5.85 / 5,850	GHz / MHz	
Frequency Bandwidth	0.6 / 600	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	Degrees	
Ground Plane Required	No		
Antenna Labeling	"C" on end cap		
Radome Material	Fiberglass		
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	Type-N(m)		

Parameter	Value	Units	Tolerance
<b>RF Connector Features</b>	Black Chrome		
<b>Product Height</b>	10.92 / 277.37	inches / mm	±0.13"
<b>Product Diameter</b>	0.81 / 20.62	inches / mm	+0.02" / -.000"
<b>Product Weight</b>	3.4 / 96.4	oz / grams	



**Elevation Pattern**

Referenced to 6 dBi



### Engineering Drawing

All dimensions are in inches