Overview

Southwest Antennas Part # 1011-006 is a small form factor 2.4 GHz ISM band panel antenna for Wi-Fi and ISM band applications in the 2.4 - 2.5 GHz frequency range. The antenna's small size (0.5 inch thickness) allows it to be integrated into other products/enclosures or used as a stand-alone solution. Suitable for use indoors or outdoors, as Kydex radome is sealed and UV resistant.

Part # 1011-006 has 12" of RG-58 RF cable which features an RP-SMA(m) RF connector (other options are available, please contact Southwest Antennas).

Note: Linear polarization is aligned with long axis of radome.

Features

- Small Form Factor Panel Antenna Design
- Designed for IEEE 802.11g/n wi-fi applications
- 2.4 - 2.5 GHz Frequency Coverage
- 6.5 dBi Directional Radiation Pattern
- 10 Watt Power Handling
- RG-58 Cable with RP-SMA(m) RF Connector
- Black Kydex Radome
- UV Stable Indoor/Outdoor Housing
- 3x .170" Mounting Holes
- Wall and Ceiling Mount
- MIL-STD 810 Drop Test Compliant
- Easily Disguised



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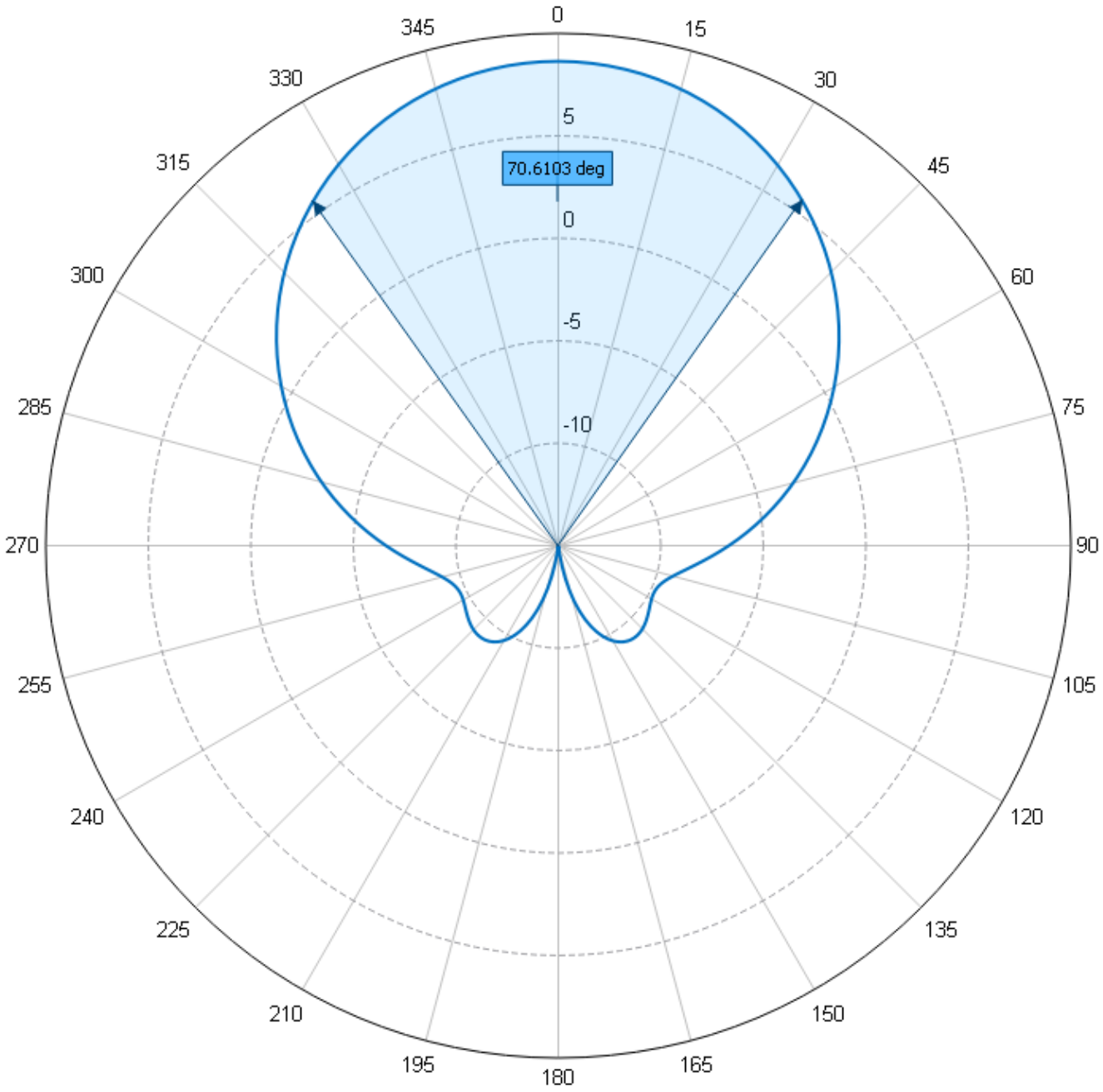
Product Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	S		
Impedance	50.00		
Minimum Frequency	2.4 / 2,400	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.1 / 100	GHz / MHz	
Maximum VSWR	1.8:1		
Maximum Gain	7.80	dBi|6.5 dBi minimum	
Polarization	Vertical		
Color	Black		
Maximum RF Input Power	10	Watts	
Horizontal AZ Beamwidth	70.6	Degrees	
Vertical EL Beamwidth	63.7	Degrees	
Radome Material	Kydex		
Spring	No		
Gooseneck	No		
Ground Plane Required	No		
Mounting Holes Or Studs	Three .170" holes, triangular formation		
RF Connector Type	RP-SMA(m)		
RF Cable Type	RG-58 (Black)		
RF Cable Length	12	inches	
Operating Temperature Range	-40 to +70	C	Storage and Operation
Product Length	5.20 / 132.08	inches / mm	

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Parameter	Value	Units	Tolerance
Product Width	3.80 / 96.52	inches / mm	
Product Height	0.50 / 12.70	inches / mm	
Product Weight	0.5 / 14.2	oz / grams	

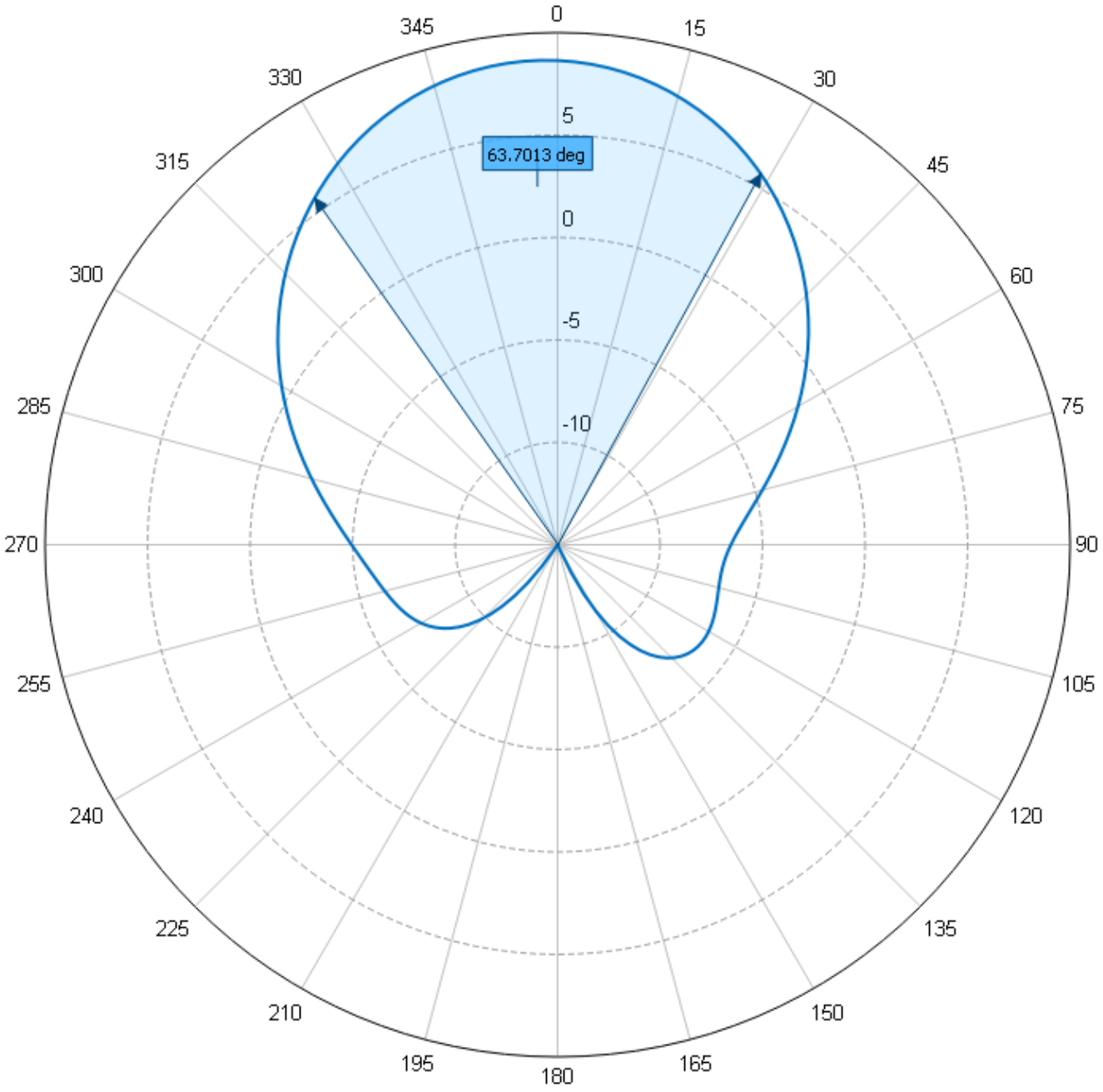
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Azimuth Pattern

Referenced to +10 dBi

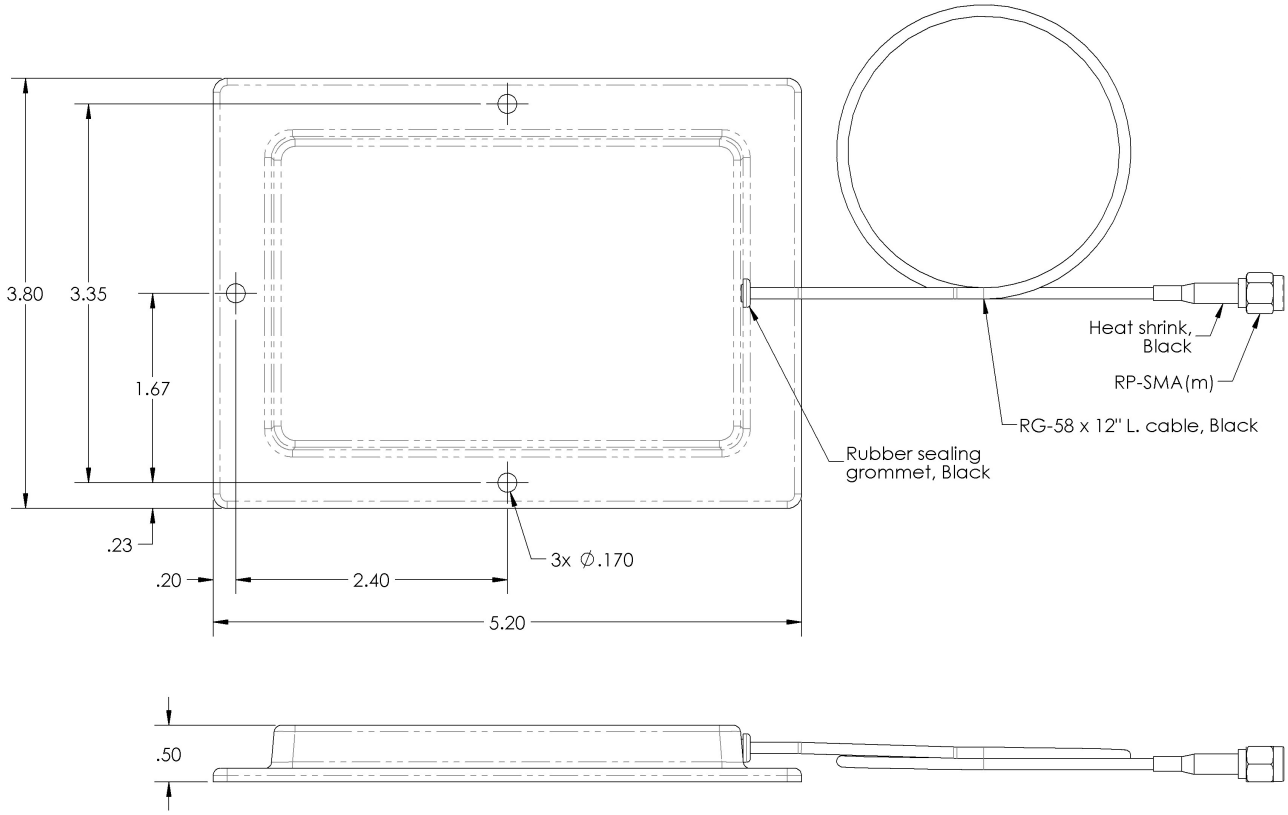
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Elevation Pattern

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Engineering Drawing

All dimensions are in inches

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