

## Overview

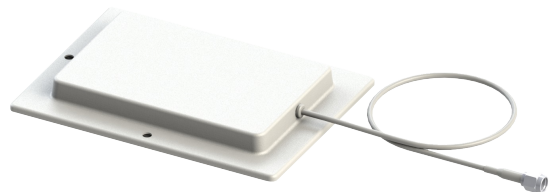
Southwest Antennas Part # 1011-005 is a small form factor 2.4 GHz ISM band panel antenna for Wi-Fi and ISM band applications in the 2.4 - 2.5 GHz frequency range. The antenna's small size (0.5 inch thickness) allows it to be integrated into other products/enclosures or used as a stand-alone solution. Suitable for use indoors or outdoors, as Kydex radome is sealed and UV resistant.

Part # 1011-005 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

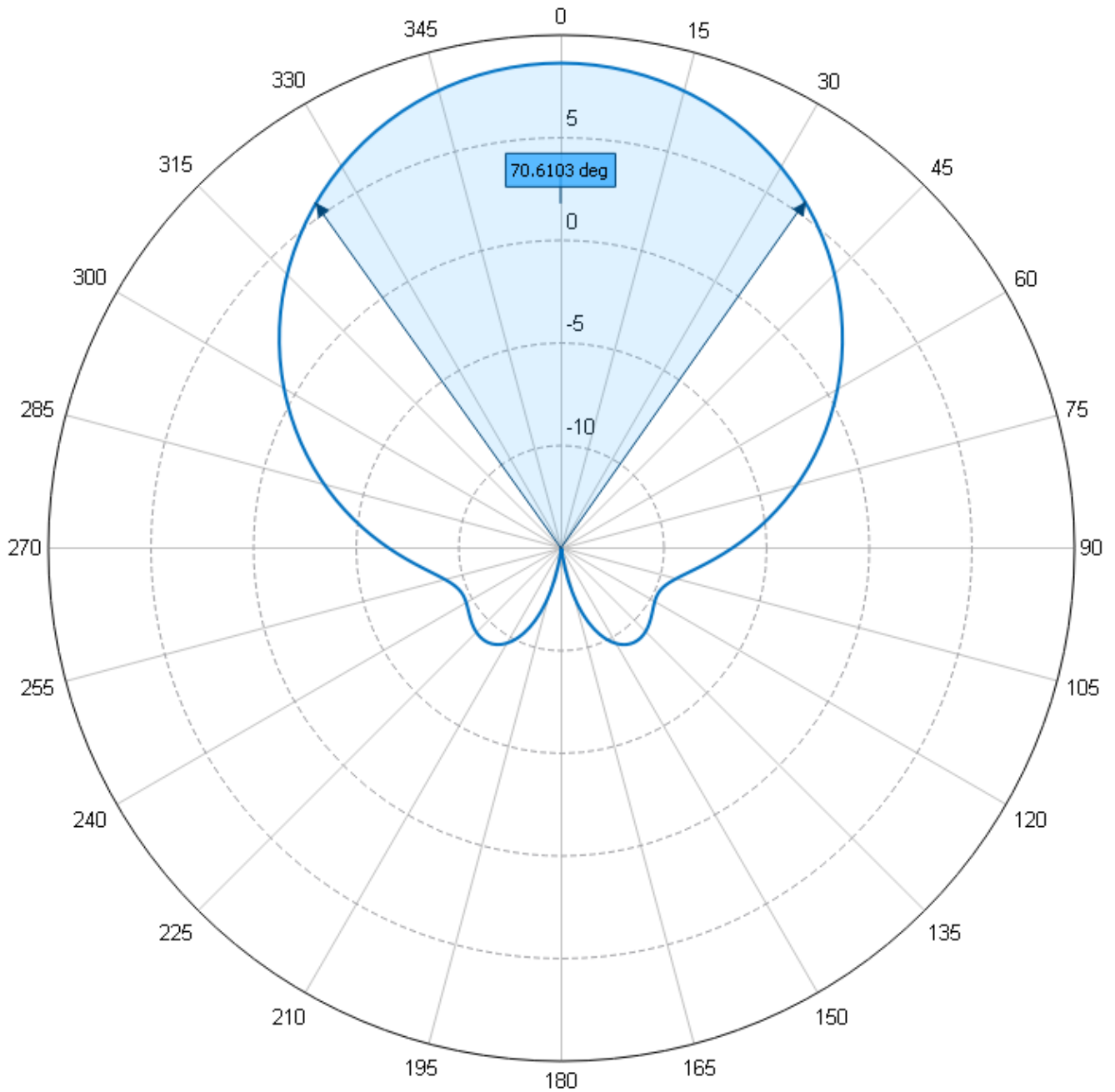
- Small Form Factor Panel Antenna Design
- Designed for IEEE 802.11g/n wi-fi applications
- 2.4 - 2.5 GHz Frequency Coverage
- 6.5 dBi Directional Radiation Pattern
- 10 Watt Power Handling
- RG-58 Cable with RP-SMA(m) RF Connector
- White Kydex Radome
- UV Stable Indoor/Outdoor Housing
- 3x .170" Mounting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



## Product Specifications

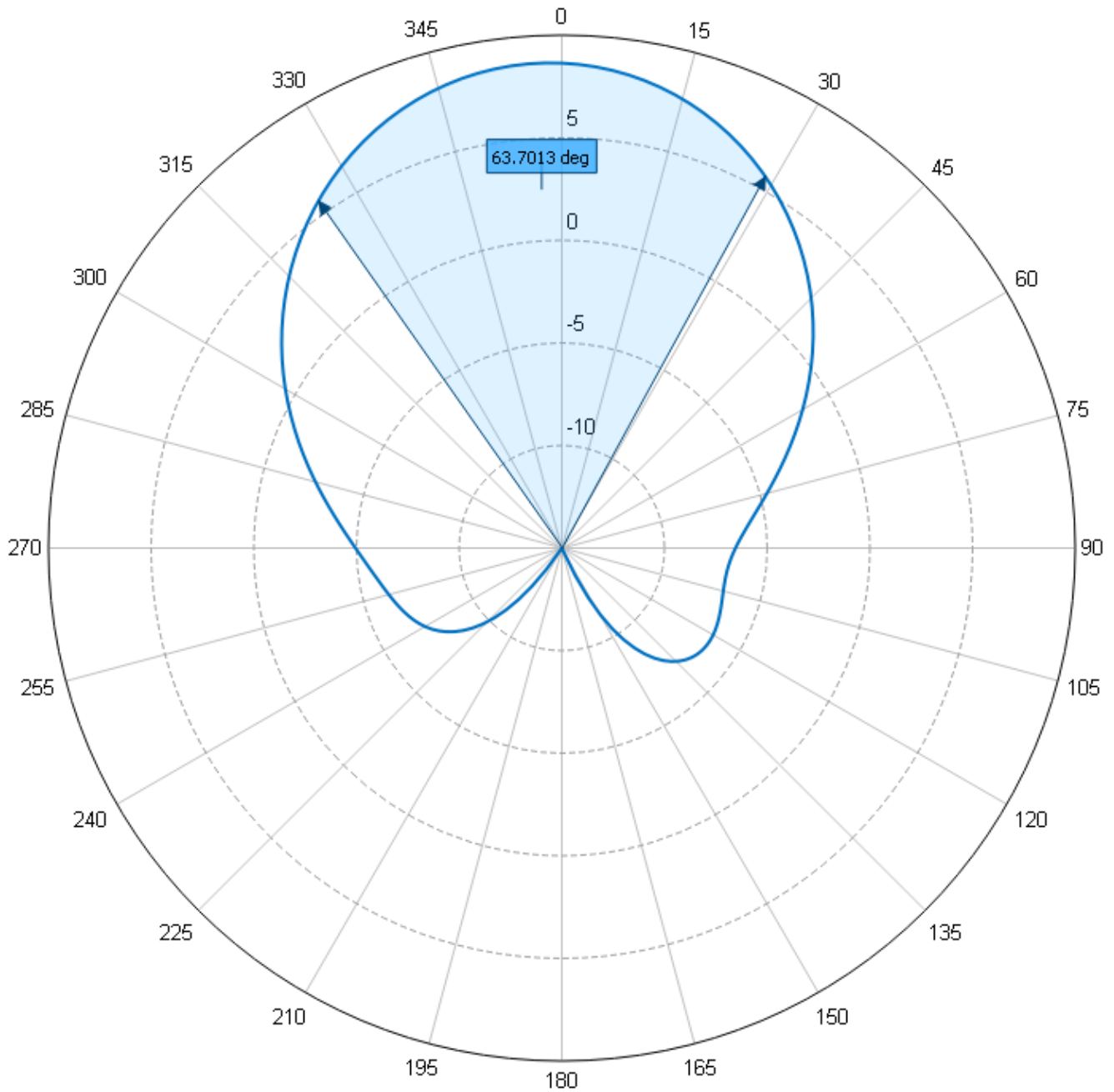
| Parameter                   | Value                                   | Units       | Tolerance             |
|-----------------------------|-----------------------------------------|-------------|-----------------------|
| Antenna Pattern             | Directional Antenna                     |             |                       |
| Frequency Band              | S                                       |             |                       |
| Impedance                   | 50                                      |             |                       |
| 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                       | White                                   |             |                       |
| 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 (White)                           |             |                       |
| RF Cable Length             | 12 / 305                                | inches / mm |                       |
| Operating Temperature Range | -40 to +70                              | C           | Storage and Operation |

| Parameter      | Value       | Units       | Tolerance |
|----------------|-------------|-------------|-----------|
| Product Length | 5.2 / 132.1 | inches / mm |           |
| Product Width  | 3.8 / 96.5  | inches / mm |           |
| Product Height | .5 / 12.7   | inches / mm |           |
| Product Weight | 0.50 / 0.23 | lbs / kg    |           |



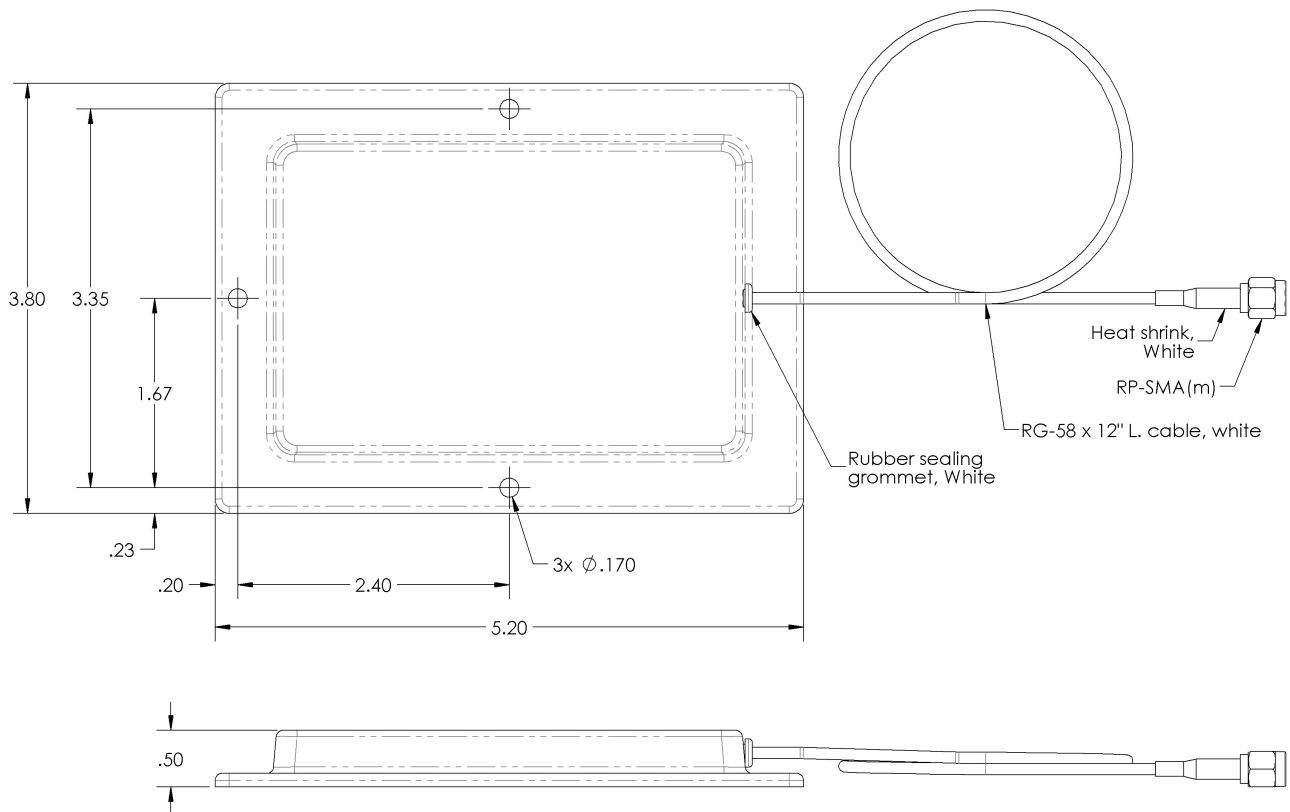
### Azimuth Pattern

Referenced to +10 dBi



### Elevation Pattern

Referenced to +10 dBi



## Engineering Drawing

All dimensions are in inches