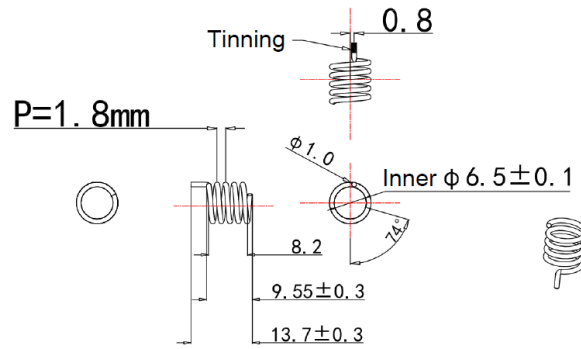


Antenna datasheet: Onyx 868/914MHz



**Key features:**

**Frequency band: 868/914MHz**

**Maximum gain: 2dBi**

**Horizontal polarization**

1. Antenna electrical characteristics

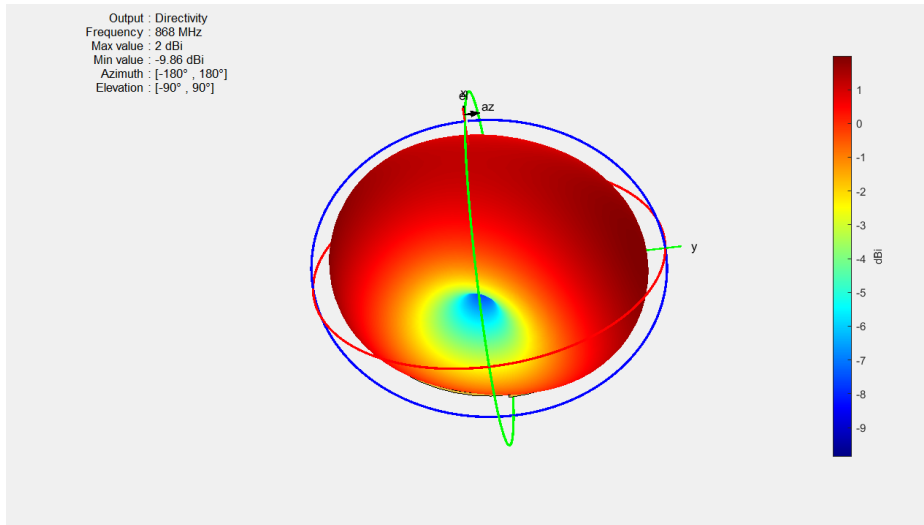
|                     |                                  |
|---------------------|----------------------------------|
| Frequency band      | 868MHz/914MHz                    |
| VSWR                | <2                               |
| Peak gain           | 2dBi                             |
| Impedance           | 50Ω                              |
| Polarization        | Horizontal/Vertical polarization |
| Maximum input power | 4W                               |

2. Material and environmental characteristics

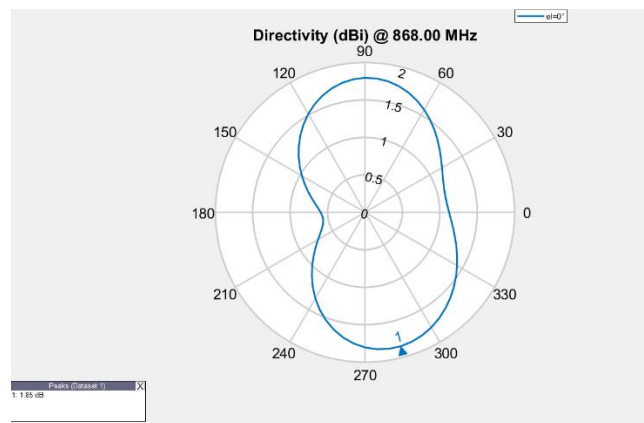
|                             |                          |
|-----------------------------|--------------------------|
| Material                    | Spring steel             |
| Dimensions                  | According to the drawing |
| Storage temperature         | -40 to +80°C             |
| Operation temperature       | -40 to +80°C             |
| Antenna Storage life (year) | 5 years                  |

## 3. Antenna measurements:

### 3.1 3D Radiation pattern



### 3.2 Azimuth pattern



### 3.3 Return loss

