

IP-65 Outdoor 868 & 915 MHz Antenna



Pulse Part Number W5012, W5017



Pulse is proud to introduce a ruggedized line of ISM antennas for North American and European applications. These IP-65 rated antennas covering 868 to 928 MHz are suitable for either European or North American operations. The antennas are both supplied in a slim 179 mm (7 inch) package. The W5017 has an SMA-Male connector while the W5012 has SMA RP-Male.

The antennas are provided in a UV and IP-65 compliant black plastic radome making them ideal for industrial environments. Applications include Smart Metering, Green Energy, e.g. Solar Inverter Communications, Industrial Control, Remote Control and Wireless M2M.

Features

- Ingress Protection IP-65
- UV Protection
- Antenna Size 0.39 x 7 in (10 x 179 mm)
- RoHS Compliant Product

Applications

- Smart Metering
- Industrial Control
- Wireless M2M

| Part Number | Connector Type /Gender |
|-------------|------------------------|
| W5012 | SMA-RP Male |
| W5017 | SMA Male |

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Electrical Specifications

| | |
|--------------------------------|-----------------|
| Frequency [MHz] | 868 - 928 |
| Nominal Impedance [Ω] | 50 |
| Return Loss (dB) | -8 |
| Gain (dBi) | 2 |
| Polarization | Omnidirectional |

Environmental Specifications

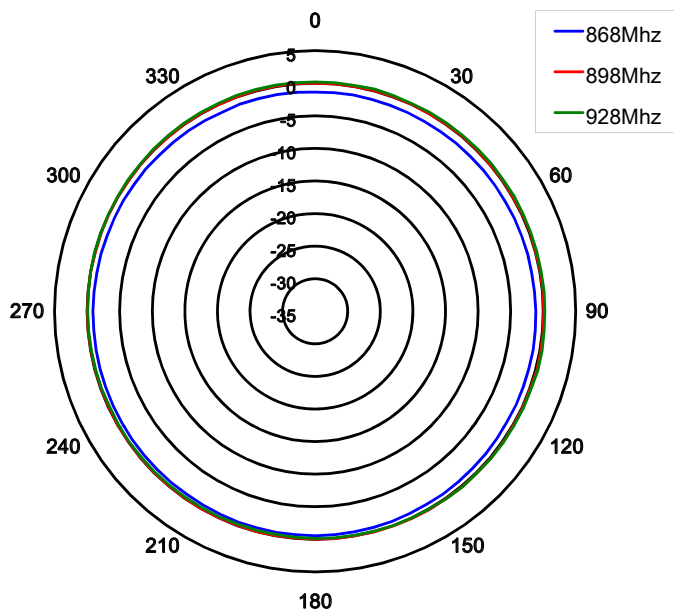
| | |
|--|------------|
| Operating Temperature [$^{\circ}\text{C}$] | -40 to +85 |
| Storage Temperature [$^{\circ}\text{C}$] | -40 to +85 |
| Relative Humidity [%] | 95 |

Mechanical Specifications

| | |
|----------------------------|---------------------|
| Radome Material | TPEE |
| Color | Black |
| Ingress Protection | IP-65 |
| Weight [ozs/g] | .3 / 9.4 |
| Dimensions [Inches/Meters] | 0.39 x 7 [10 x 179] |

Radiation Patterns

Horizontal Plane



Vertical Plane

