



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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

# IP-65 Outdoor 868 & 915 MHz Antenna

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## Electrical Specifications

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

## Environmental Specifications

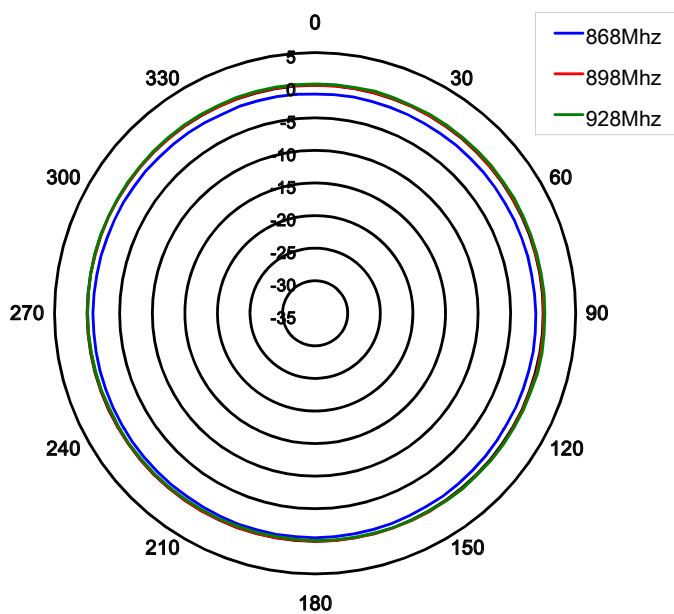
Operating Temperature [ $^{\circ}\text{C}$ ]	-40 to +85
Storage Temperature [ $^{\circ}\text{C}$ ]	-40 to +85
Relative Humidity [%]	95

## 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

