



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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External Outdoor Antenna for 2.4GHz Application

Pulse Part Number: W5001, W5010 and W5011



Features

- Antenna size W5001: 18.2x128.05 mm
W5010: \varnothing 10x130.09 mm
W5011: \varnothing 10x130.09 mm
- Ingress Protection IP65
- UV protection
- RoHS Compliant Product
- Connector Type W5001: Fixed right angle RP-SMA (Male Body, Female Pin)
W5010: Straight RP-SMA (Male Body, Female Pin)
W5011: Straight RP-SMA (Male Body, Male Pin)

Applications

- Zigbee 802.15, ISM 2.4GHz
- Metering, Security, M2M Applications

Part Numbers:

P/N	Connector
W5001	Fixed Right Angle RP- SMA(Male)
W5010 W5011	Straight RP-SMA(Male) Straight SMA (Male)

Electrical specifications @ +25 °C

W5001, W5010 and W5011 Typical free space performance

Frequency Range [MHz]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2400 - 2500	1.5	70/-1.5	-10	50	-40 to +85

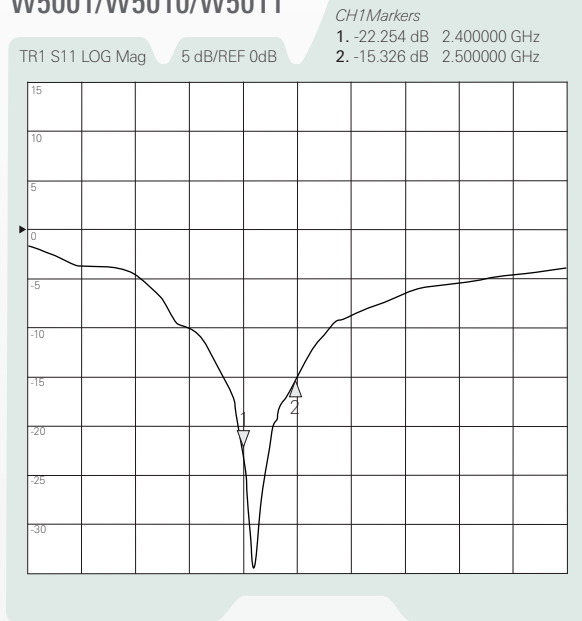
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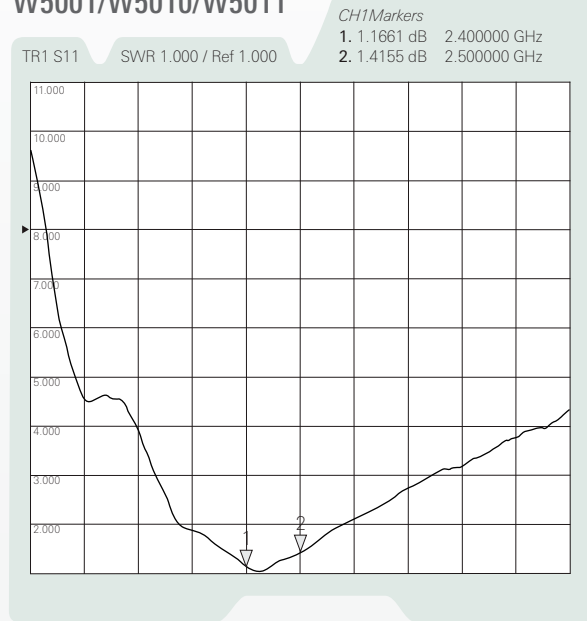
Typical Electrical Characteristics (free space, T=25 °C)

Typical Return Loss S11/ VSWR

W5001/W5010/W5011



W5001/W5010/W5011



Free Space Total Field Maximum Gain

Total Filed Peak Gain

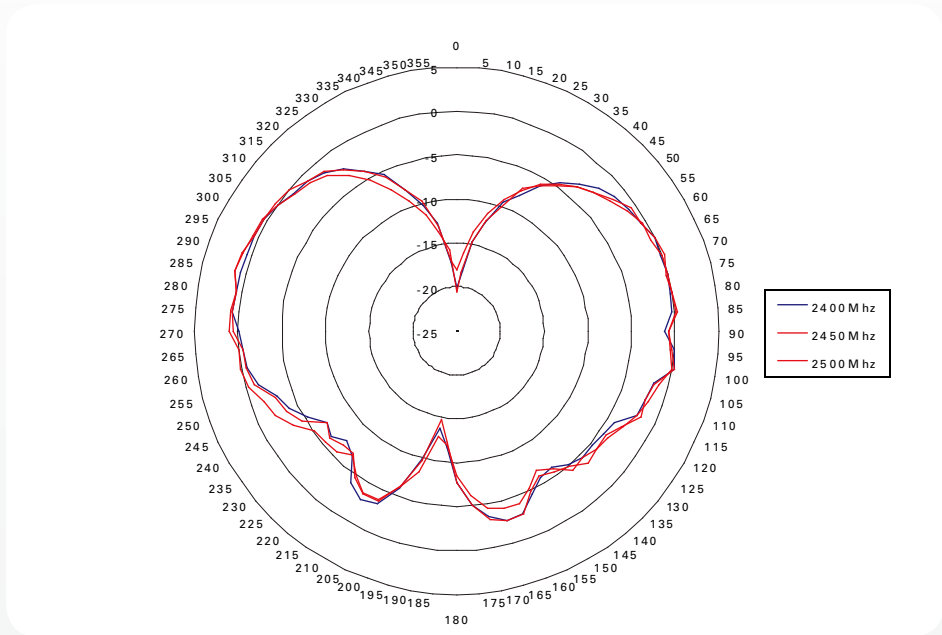


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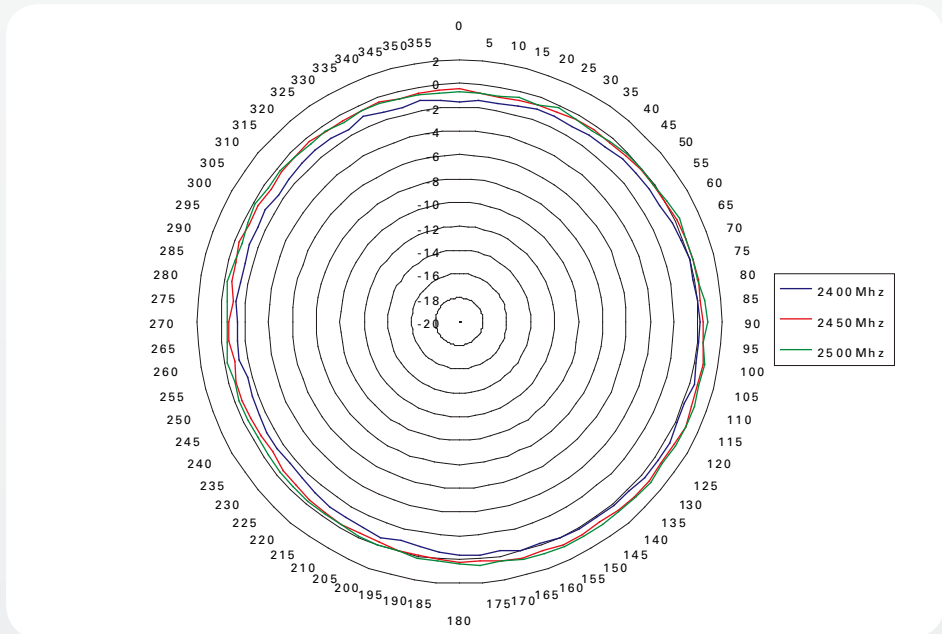
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Typical Free space Radiation Patterns

E Plane Radiation Pattern



H Plane Radiation Pattern

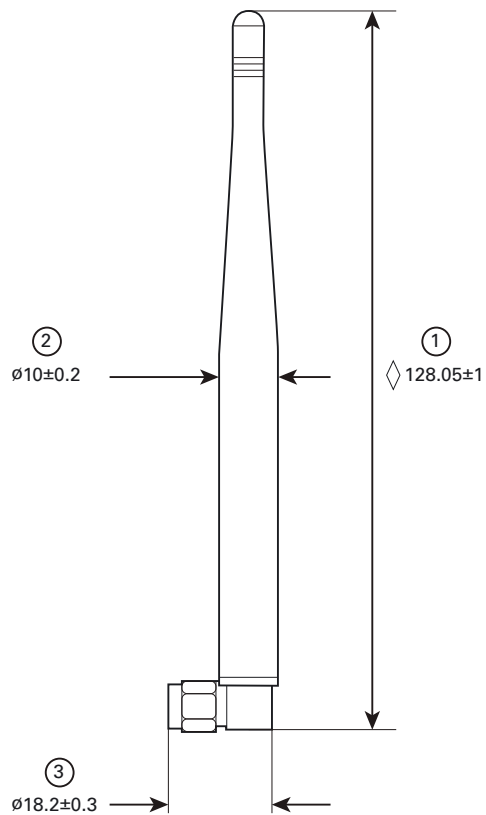


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Connector Configuration

W5001



W5010 & W5011

