Pulse Part Number: W5001, W5010 and W5011



Features

- Antenna size W5001: 18.2x128.05 mm

W5010: Ø10x130.09 mm W5011: Ø10x130.09 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

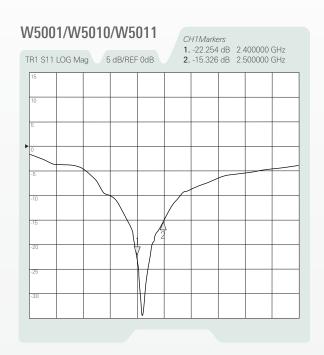
12220 World Trade Drive San Diego, CA 92128, United States

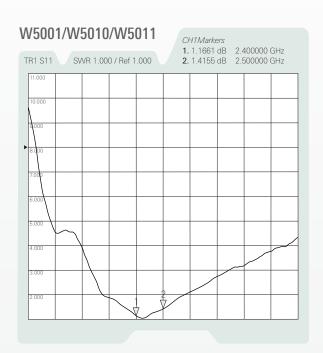


Pulse Part Number: W5001, W5010 and W5011

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

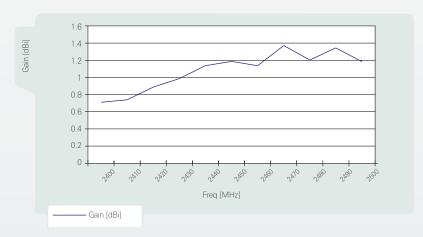
Typical Return Loss S11/VSWR





Free Space Total Field Maximum Gain

Total Filed Peak Gain



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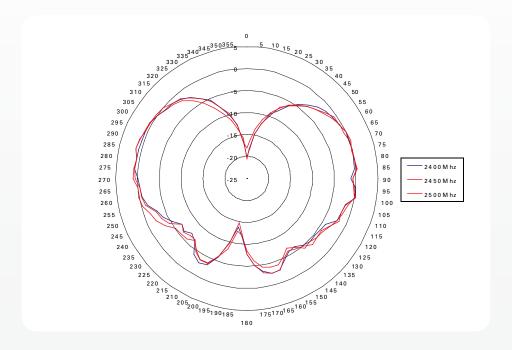
12220 World Trade Drive San Diego, CA 92128, United States



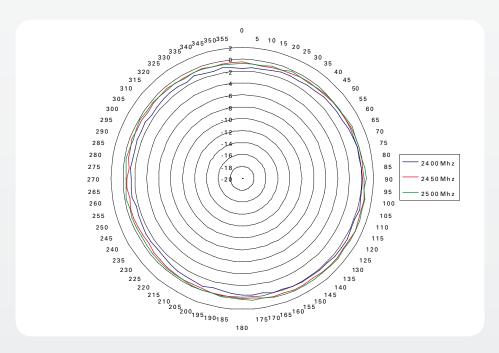
Pulse Part Number: W5001, W5010 and W5011

Typical Free space Radiation Patterns

E Plane Radiation Pattern



H Plane Radiation Pattern



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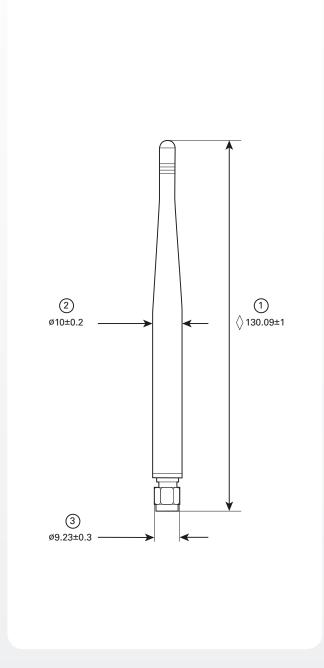
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Pulse Part Number: W5001, W5010 and W5011

Connector Configuration

W5001 2 ø10±0.2 ⟨⟩ 128.05±1 3 ø18.2±0.3 -



W5010 & W5011

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