

Description: ISM 868/915MHz PCB Antenna with coax feed

Series: Internal Antenna

PART NUMBER: W3312XXXXXX

Features:

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863-928MHz

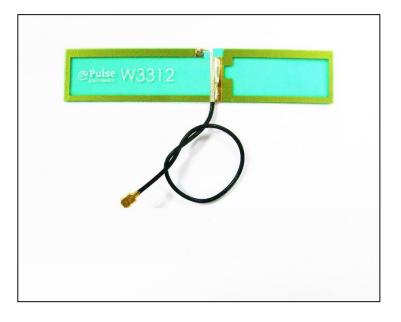
Size 75x15 mm

 Flexible PCB thickness 0.1 mm with adhesive tape

adhesive tape on back side

 100mm 1.13mm OD coax cable with U.FL connector

Mounting with 3M467





All dimensions are in mm / inches

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For more information:

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Pulse Worldwide Headquarters 12220 World Trade Drive San Diego, CA 92128 USA Tel:1-858-674-8100 Pulse/Larsen Antennas 18110 SE 34th St Bldg 2 Suite 250 Vancouver, WA 98683 USA Tel: 1-360-944-7551 Europe Headquarters Pulse GmbH & Do, KG Zeppelinstrasse 15 Herrenberg, Germany Tel: 49 7032 7806 0 Pulse (Suzhou) Wireless Products Co, Inc. 99 Huo Ju Road(#29 Bldg,4th Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998



Applications:

- Devices with ISM 868MHz / 915MHz radios
- M2M, IoT
- Metering, Industry automation
- Instrumentation

.. ISM 868/915MH7 PC



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ELECTRINIC SPECIFICATIONS

Frequency	863-928	MHz
Nominal Impedance	50	Ω
Return loss	-8	dB
Efficiency	45	%
Peak Gain	0.8	dBi +/- 1 dB
Polarization:	linear	
Power withstanding	2	W

Note: All RF data measured with 1.5mm polycarbonate plate to simulate loading effect of real device housing.

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Series: Internal Antenna Series: Internal Antenna

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This document covers all product variants of the following product family

Antennas	Color	Connector
W3312B0100	Green	1.13mm OD coax cable with U.FL connector
W3312BB0100	BLACK	

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MECHANICAL SPECIFICATIONS				
PCB type	Flexible			
Radiator size	15[0.59] x 75[2.95] mm[inch]			
Adhesive	3M467			
Total thickness (Radiator+adhesive)	0.1[0.004] mm[inch]			
Weight	0.74g			
Cable type	OD 1.13mm coax			
Cable length	100[3.94] mm[inch]			
Connector	U.FL compatible			

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85 ° C

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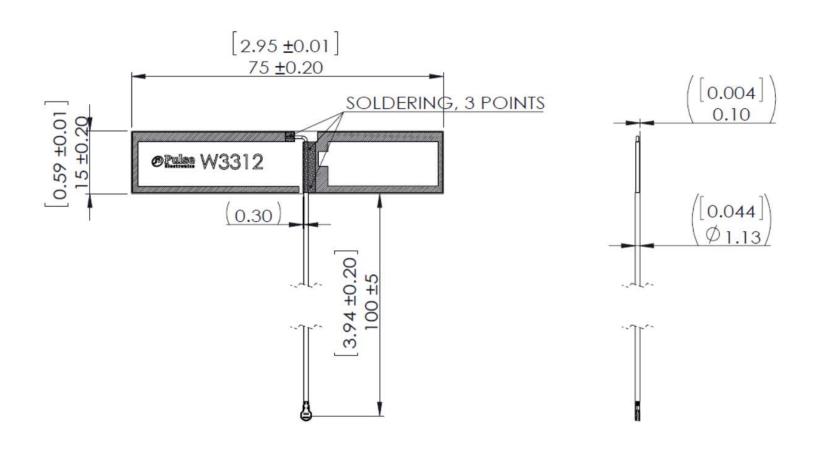


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MECHANICAL DRAWING



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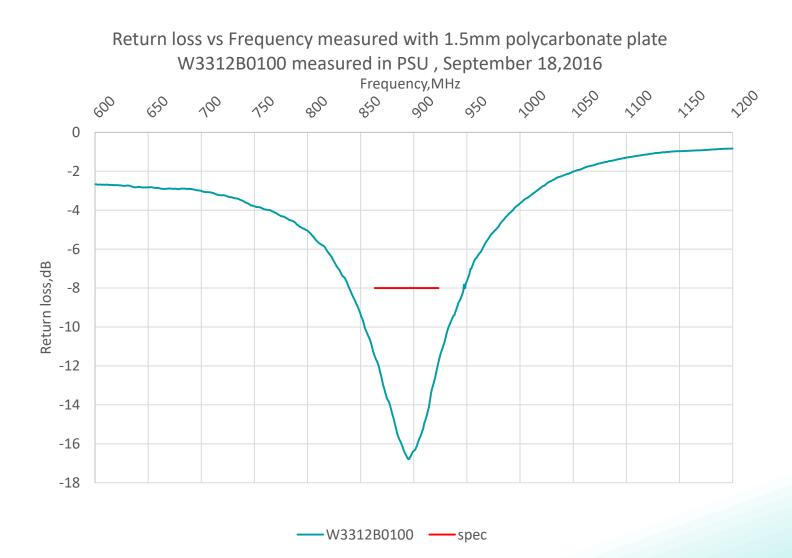
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CHARTS

Return loss



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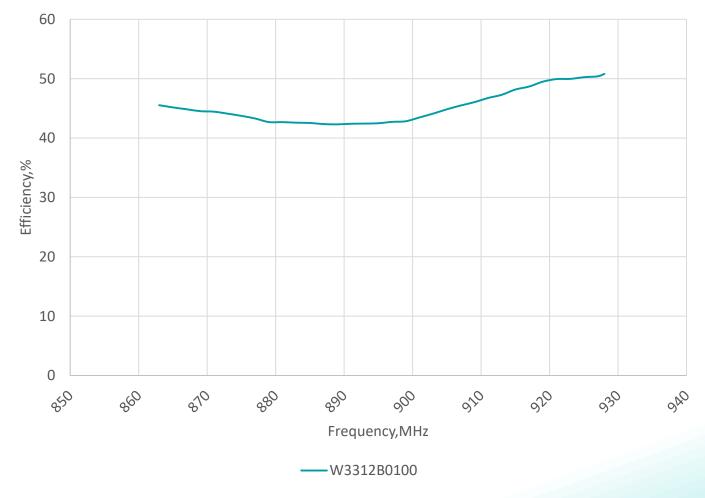
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CHARTS

Efficiency

Efficiency vs Frequency measured with 1.5mm polycarbonate plate W3312B0100 measured in PSU ,September 18,2016



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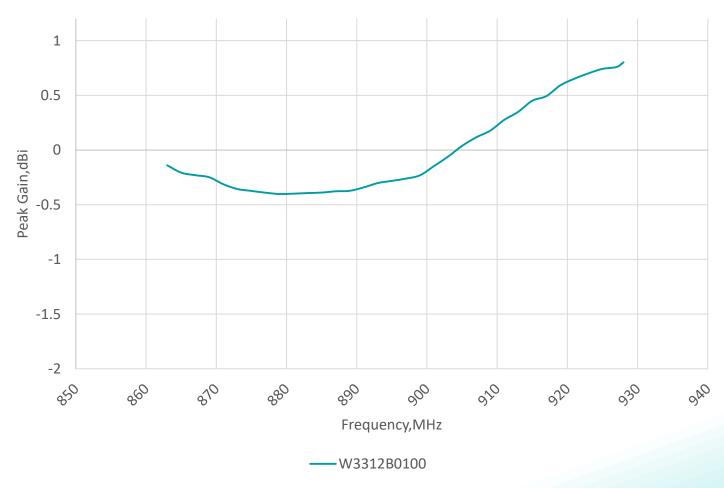
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CHARTS

Peak Gain

Peak Gain vs Frequency measured with 1.5mm polycarbonate plate W3312B0100 measured in PSU,September 18,2016



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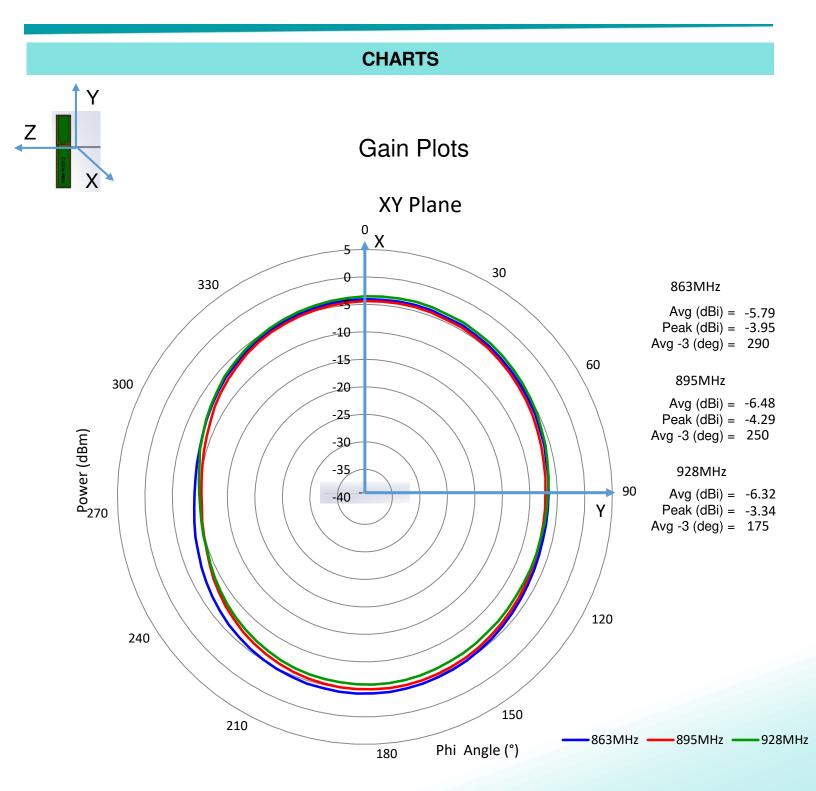


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TECHNICAL DATA SHEET

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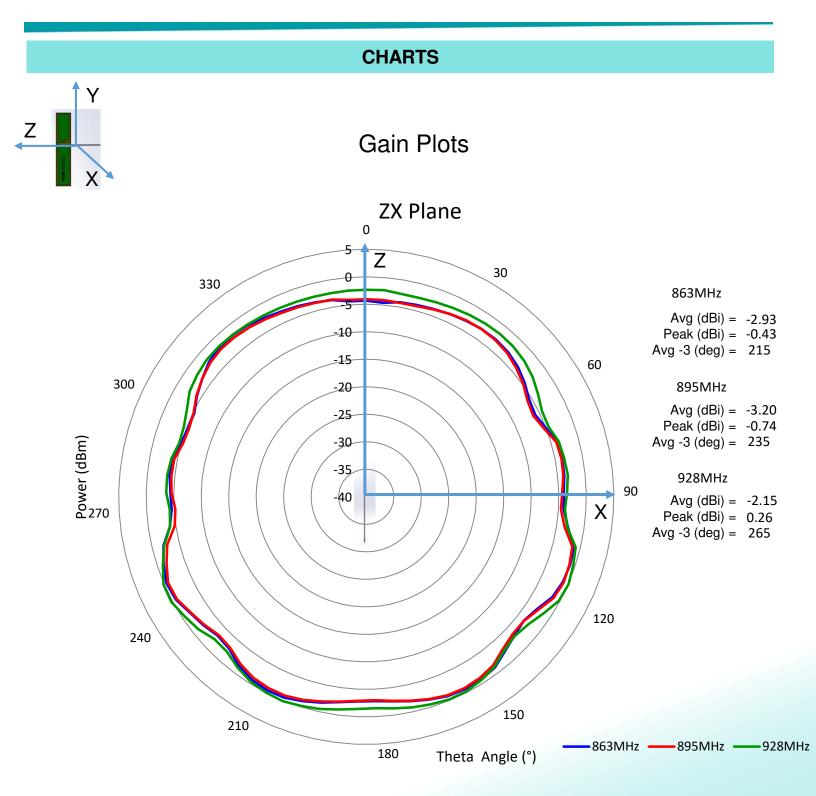


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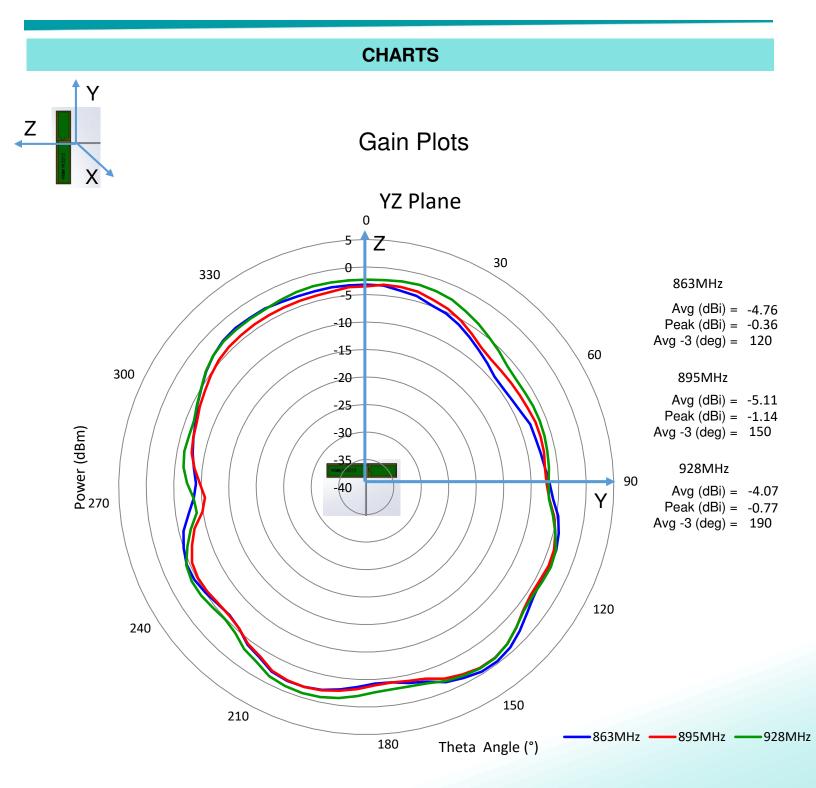
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ROHS 10



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ROHS 11

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PACKAGING

10PCS/PE bag 10 PE bag/foam bag 15 foam bag/carton box

Total 1500PCS/carton box





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