

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!



Contact us

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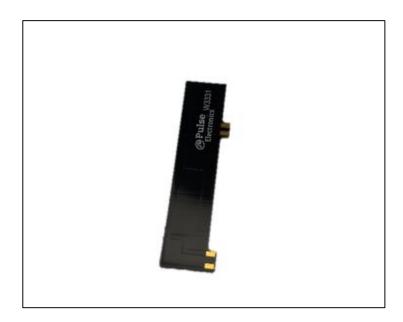


TECHNICAL DATA SHEET

Description: ISM868/915MHz, 2.4GHz Ant

PART NUMBER: W3331





Features:

- Small clearance needed (about 4mm)
- Test PCB size 118.5*102mm
- High efficiency
- Small compact form factor
- · Low profile
- Multi-band (ISM and 2.4 GHz)
- Board Mountable
- 2 connection points
- Lead free materials
- RoHS Compliant Product

Applications:

- Data transmission for IoT applications
- High speed data terminals
- · Routers using ISM frequencies
- · ISM and WiFi dual applications
- Hot Spots
- Radio modules
- WiFi / BLE / Zigbee

All dimensions are in mm / inches

Issue: 1612

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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ELECTRICAL SPECIFICATIONS

Frequency port1 863-928MHz

Frequency port2 2400-2500MHz

Nominal Impedance 50Ω

Return Loss -6dB max@ISM868/915MHz

-12dB max@ISM2.4GHz

Isolation between port1& port2 -15dB

Average efficiency 65% @ISM868/915MHz

75%@ISM2.4GHz

Gain 2 +/- 1 dBi@ISM868/915MHz

3.5 +/- 1 dBi@ISM2.4GHz

Radiation Pattern Omni

Polarization: linear

Power withstanding 3W



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MECHANICAL SPECIFICATIONS	
PCB material	FR4
Color	Black
Weight	0.75g
Overall Length	1.77 INCHES
Overall width	0.47 INCHES

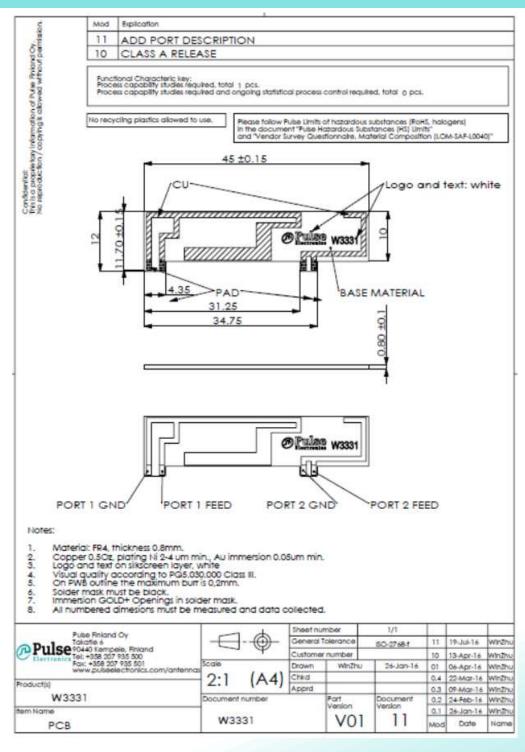


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MECHANICAL DRAWING



Issue: 1612



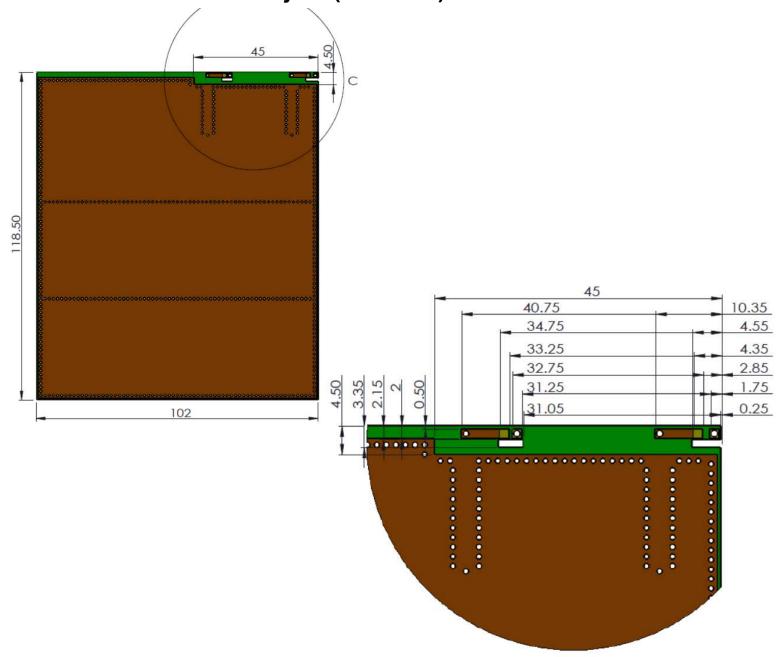


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OTHER SPECIFICATIONS

Recommended PCB layout(Unit:mm)









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Series: PCB Embedded

OTHER SPECIFICATIONS 118.50 45 10.35 40.75 4.55 34.75 4.35 33.25 102 2.85 32.75 50 1.75 31.25 0.25 31.05 Issue: 1612

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KOH5



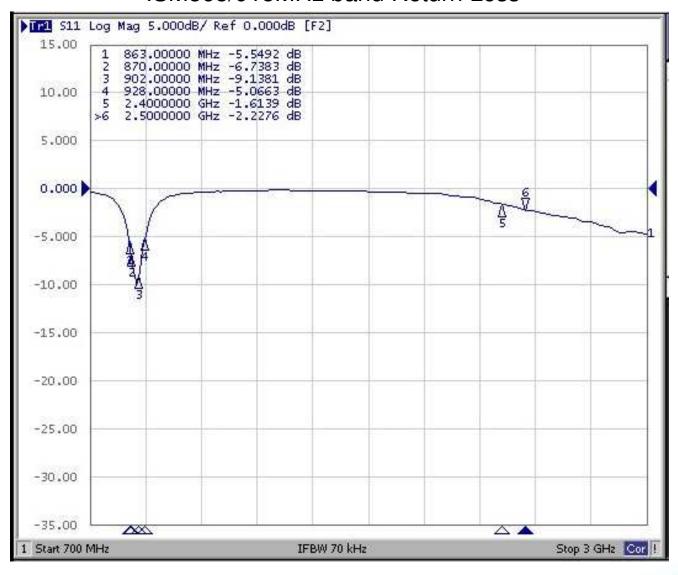
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CHARTS

ISM868/915MHz band Return Loss









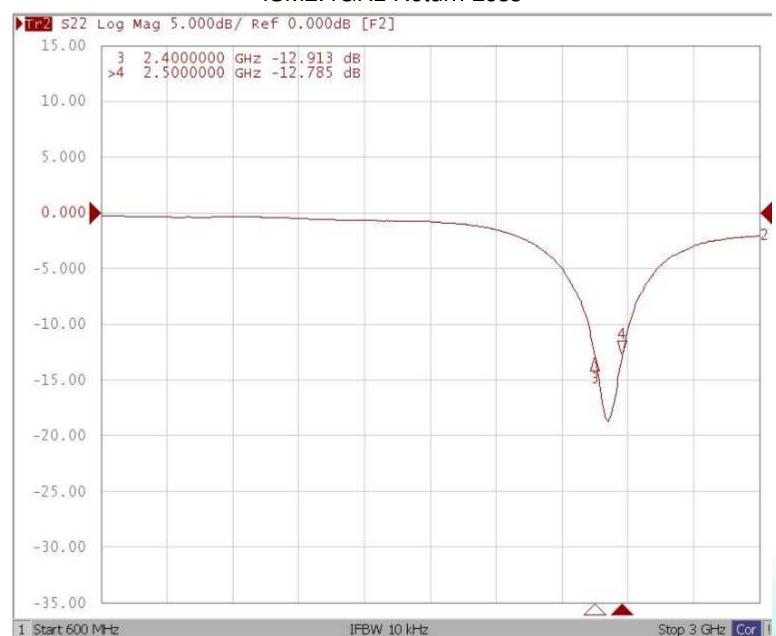
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CHARTS

ISM2.4GHz Return Loss









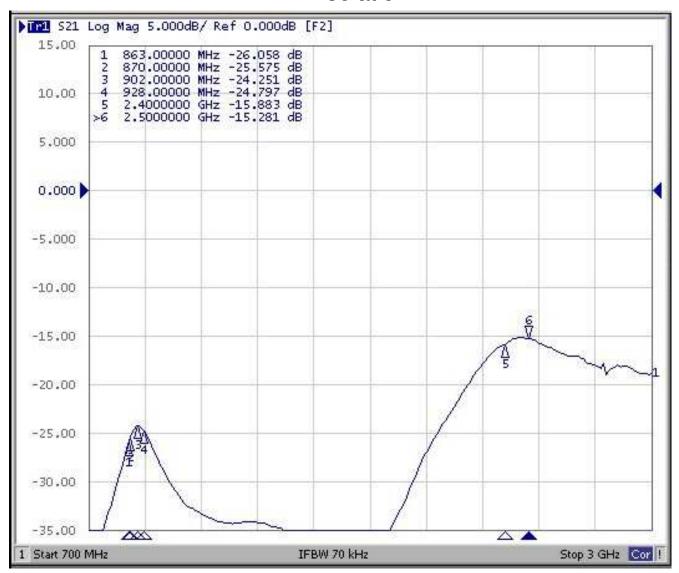
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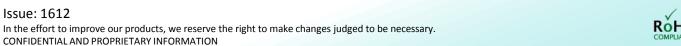
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CHARTS

Isolation







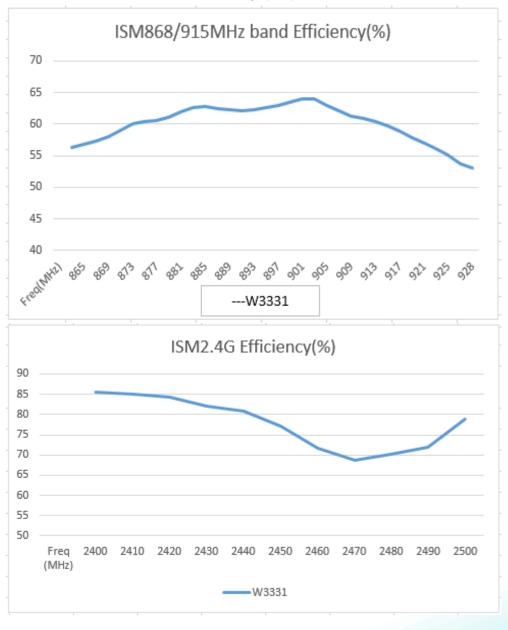
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CHARTS

Efficiency(%)







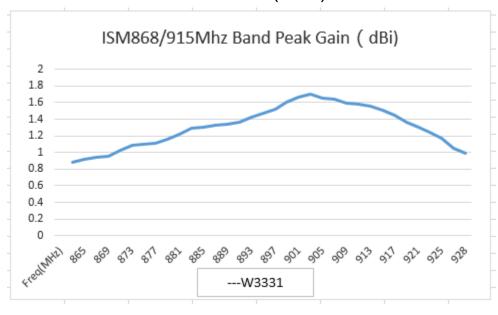
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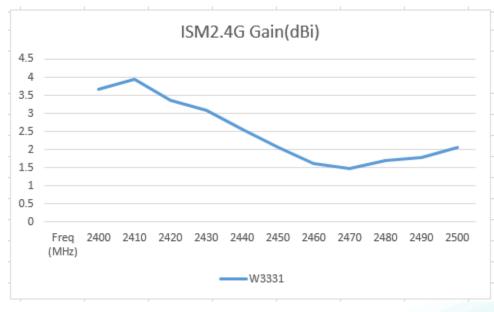
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CHARTS

Peak Gain (dBi)







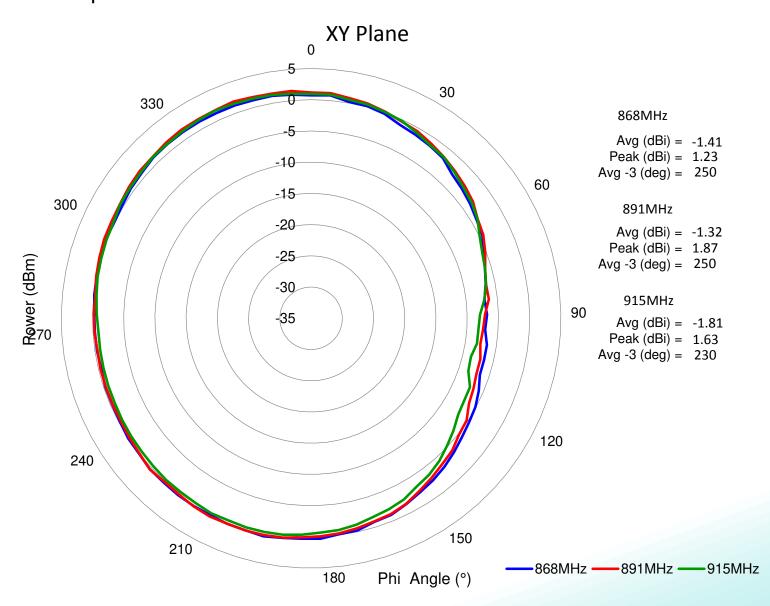
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Description: ISM868/915MHz, 2.4GHz Ant

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CHARTS

Typical free space radiation pattern ISM868/915MHz X-Y plane





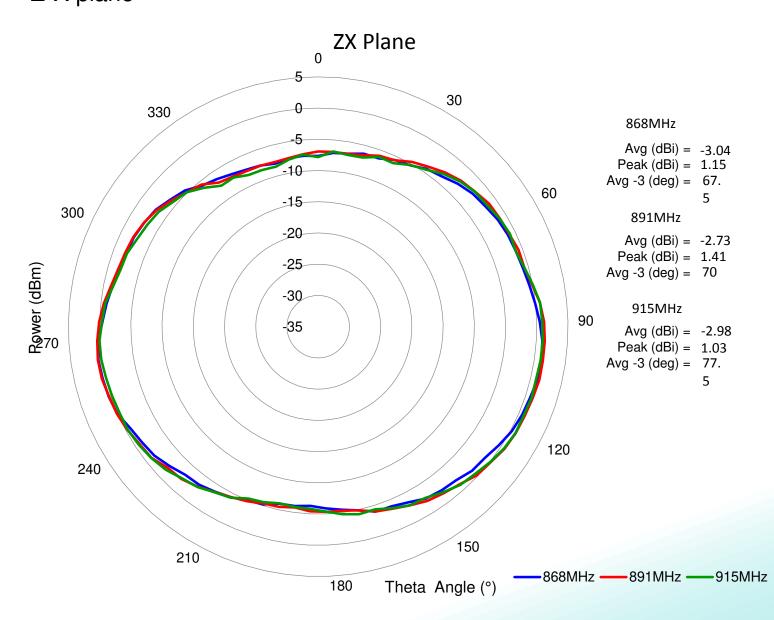
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CHARTS

Typical free space radiation pattern ISM868/915MHz Z-X plane









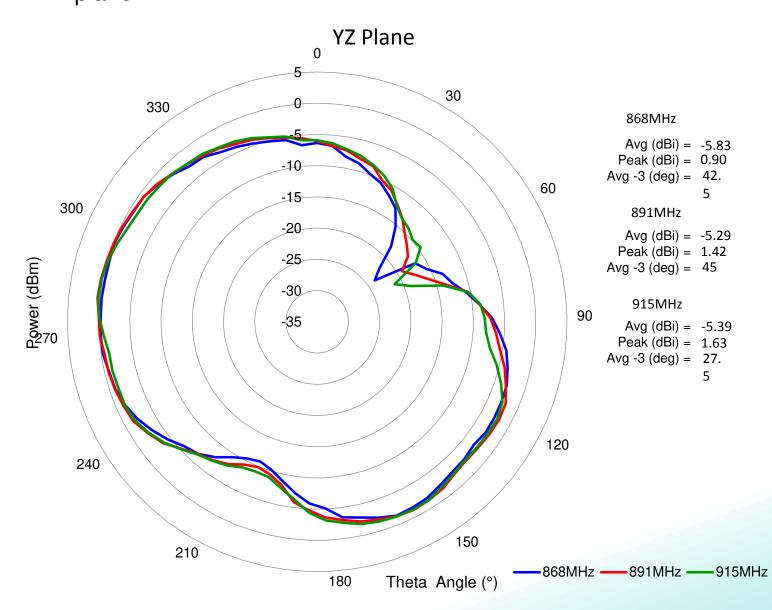
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CHARTS

Typical free space radiation pattern ISM868/915MHz Z-Y plane





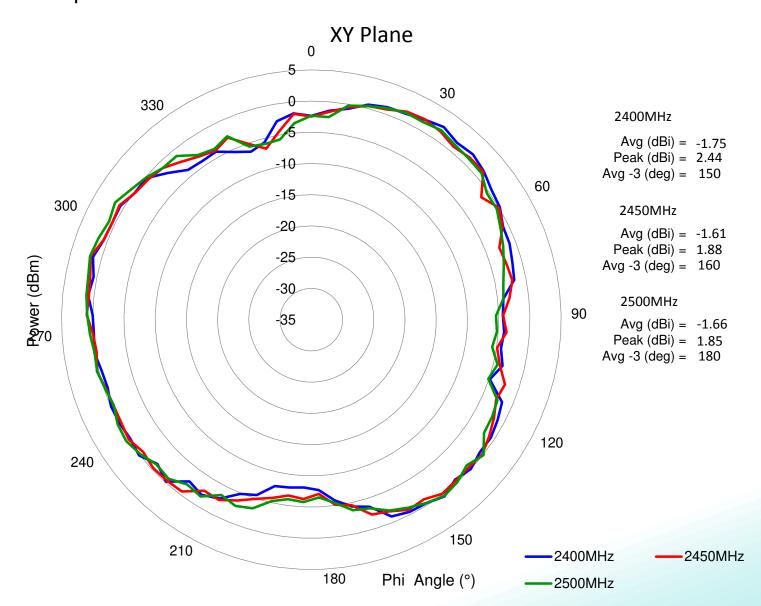
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CHARTS

Typical free space radiation pattern ISM2.4GHz X-Y plane









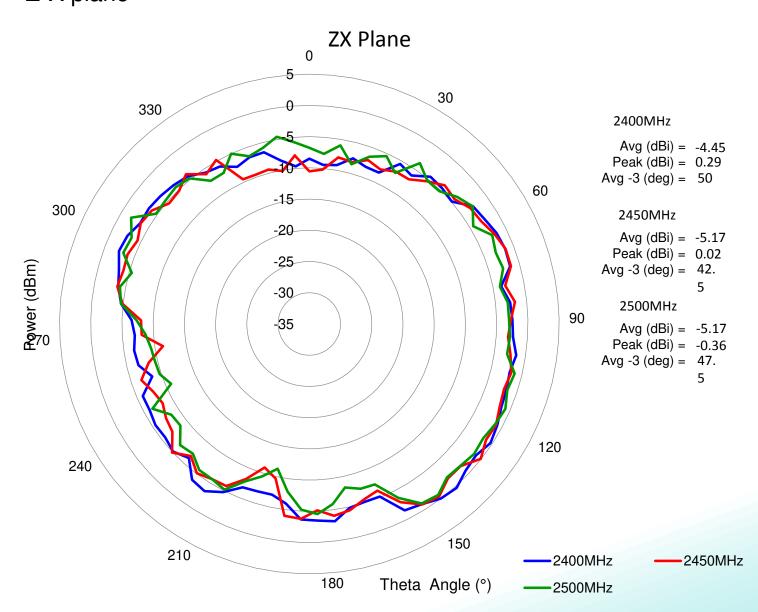
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CHARTS

Typical free space radiation pattern ISM2.4GHz Z-X plane









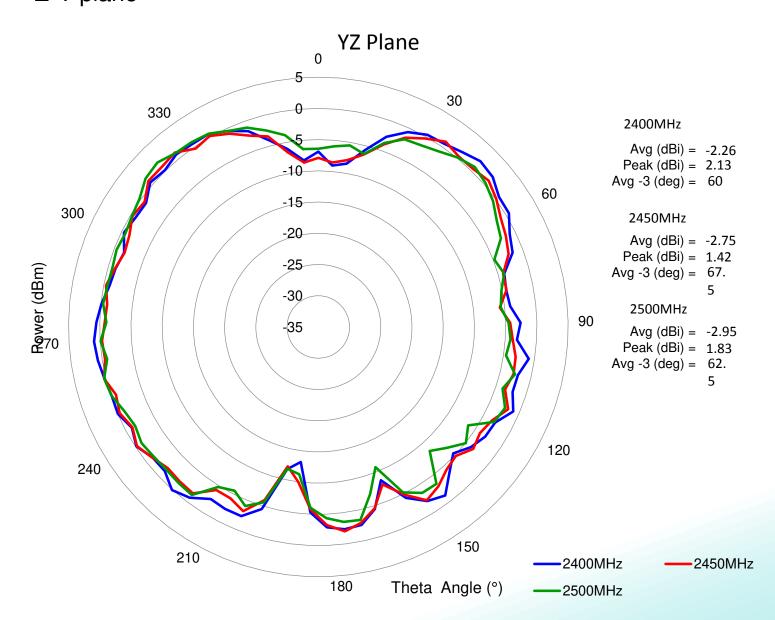
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Typical free space radiation pattern ISM2.4GHz Z-Y plane





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PACKAGING

10PCS/PE bag 1000PCS/box