

Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

Series: Internal Antenna



Features:

- Peak gain 4/5.5dBi
- VSWR 2:1
- · Mounting with adhesive tape
- Ultra small flexible radiator 4.3x15.3x0.1mm
- Coax feed cable with U.FL compatible connector

Applications:

- 2.4/5.xGHz radios
- Dualband WiFi
- Bluetooth, BLE, ZigBee
- DSRC 5.85-5.925GHz
- Routers, set top boxes
- IoT, M2M, V2x

All dimensions are in mm / inches

Issue: 1816

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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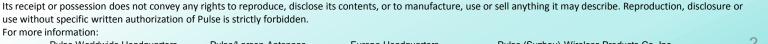
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This document covers all product variants of the following product family:

W3334B0100	100mm 1.13mm OD cable	U.FL compatible connector
W3334B0127	127mm 1.13mm OD cable	U.FL compatible connector
W3334B0150	150mm 1.13mm OD cable	U.FL compatible connector
W3334B0250	250mm 1.13mm OD cable	U.FL compatible connector
W3334B0290	290mm 1.13mm OD cable	U.FL compatible connector

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ELECTRICAL SPECIFICATIONS

Cable Length (mm)	P/N	Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)	VSWR
100	W3334B0100	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2.5:1
127	W3334B0127	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
150	W3334B0150	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
250	W3334B0250	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
290	W3334B0290	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1

Typical free space performance measured on 1mm thick PC plate

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MECHANICAL SPECIFICATIONS

FPC size 14.3 X 5.3 X0.1[0.56 X 0.21 X 0.004] mm[inch]

Connector type U.FL compatible

Cable type $\phi = 1.13[0.04]$ mm[inch]

Cable length Optional mm[inch]

Adhesive 3M467

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85 ° C





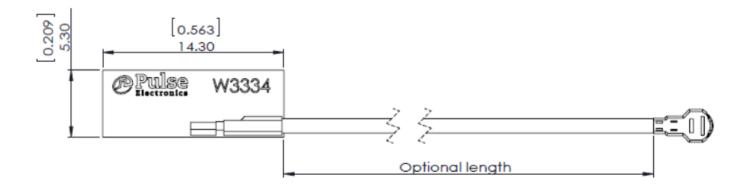


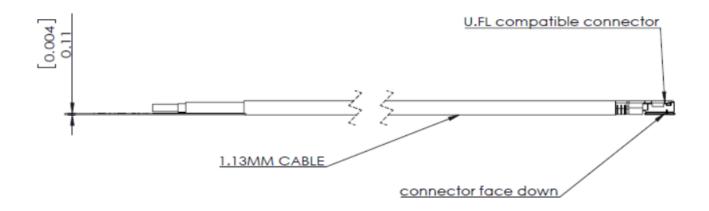
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MECHANICAL DRAWING







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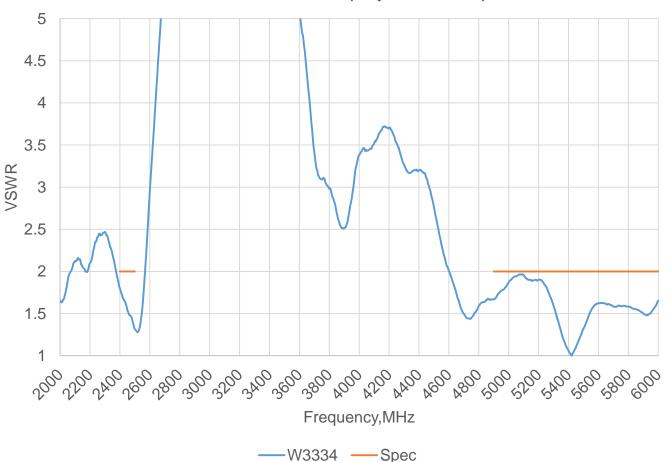
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CHARTS

VSWR

W3334 measured with polycarbonate plate



Note: Antenna tested on 1mm thickness PC plate with 150mm feed cable

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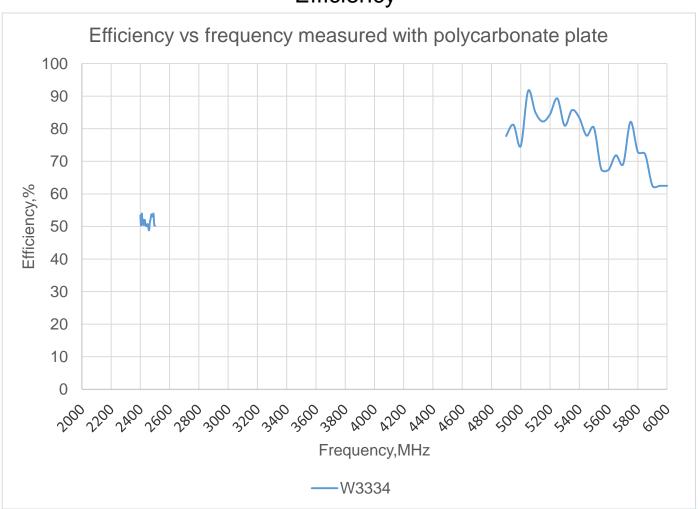
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CHARTS

Efficiency



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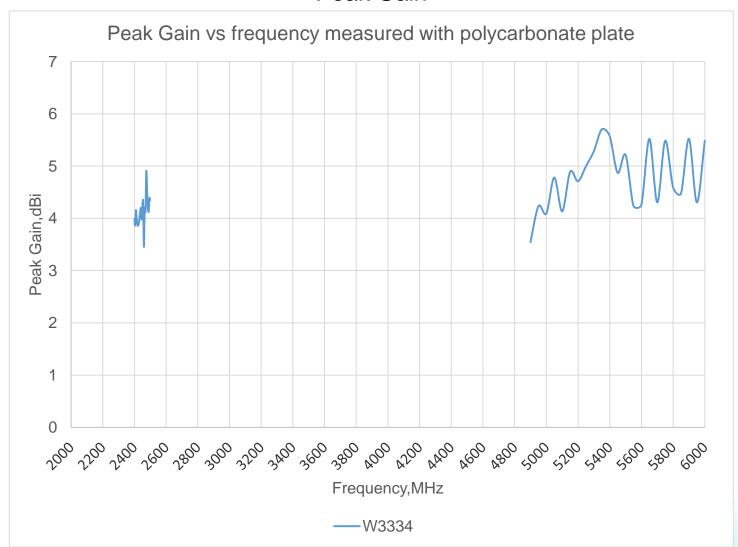
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CHARTS

Peak Gain



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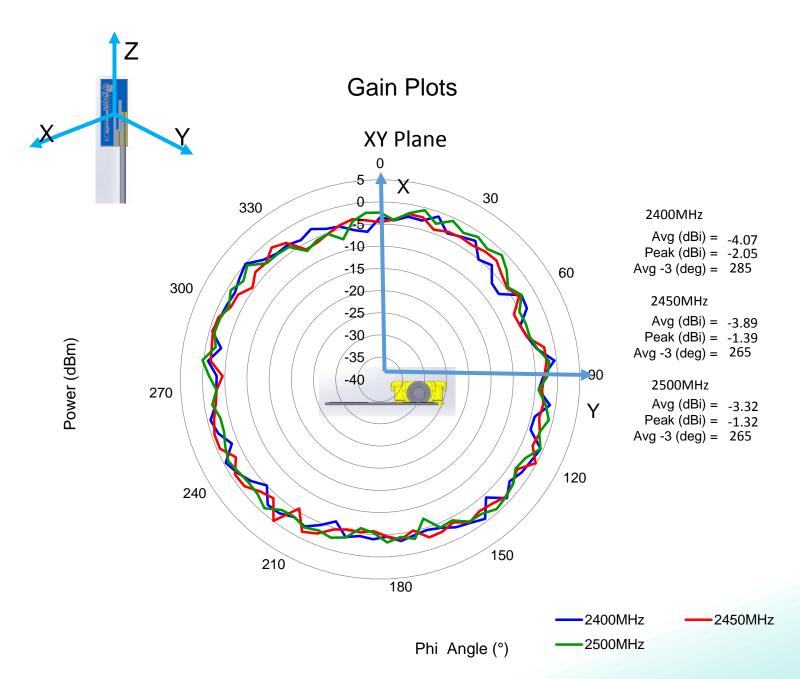


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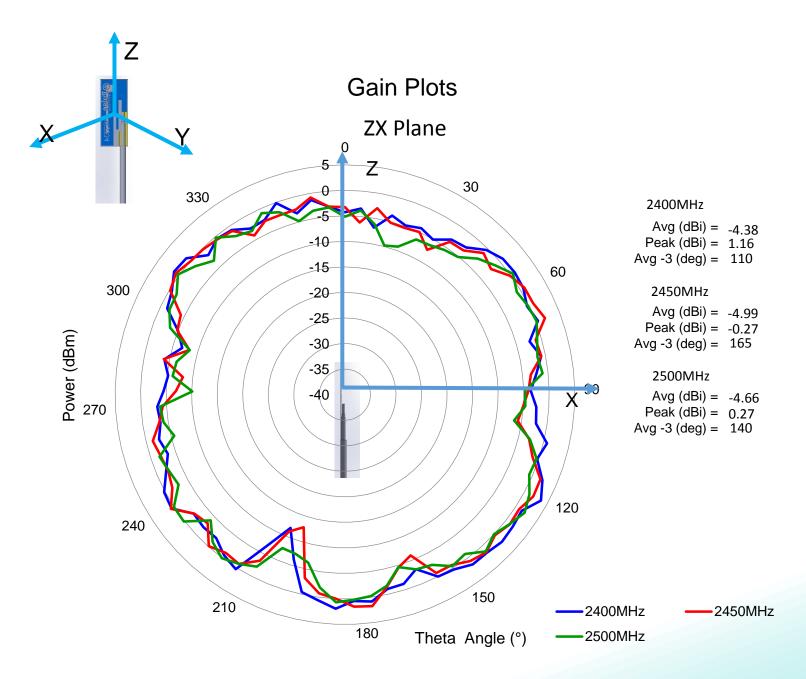




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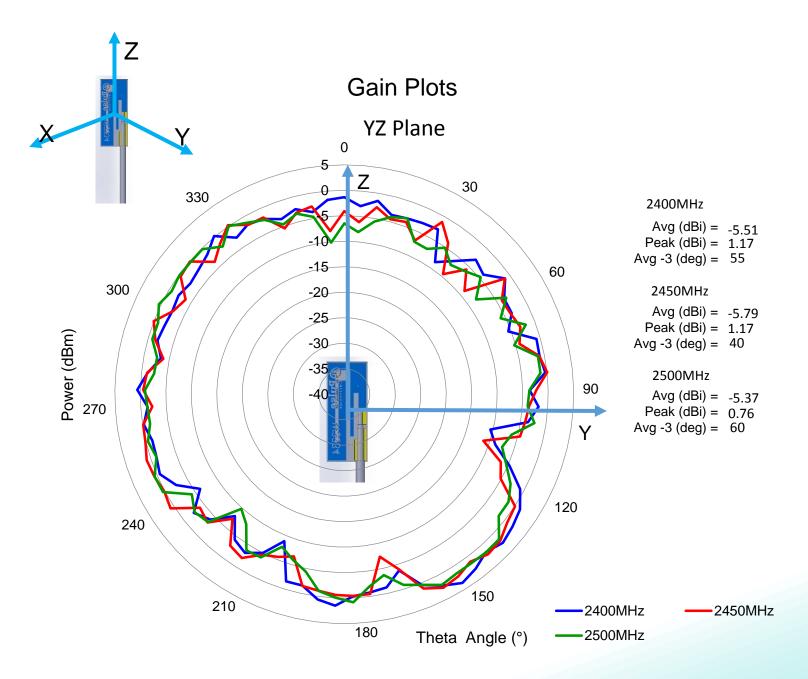




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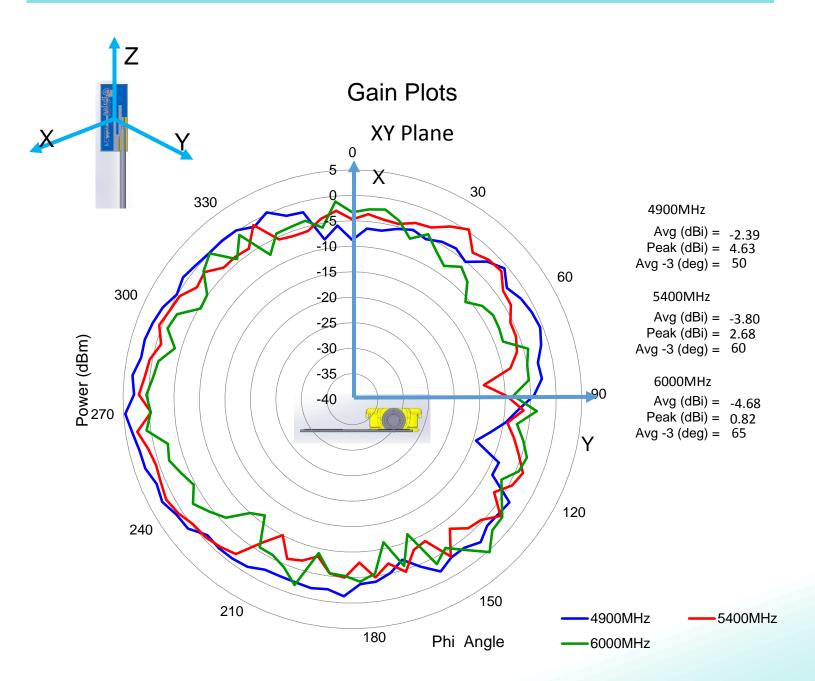




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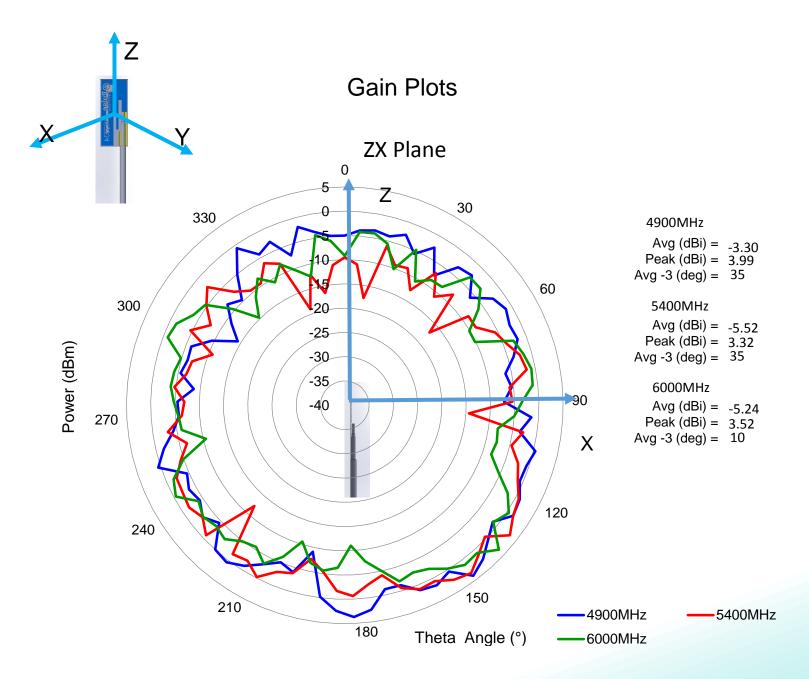




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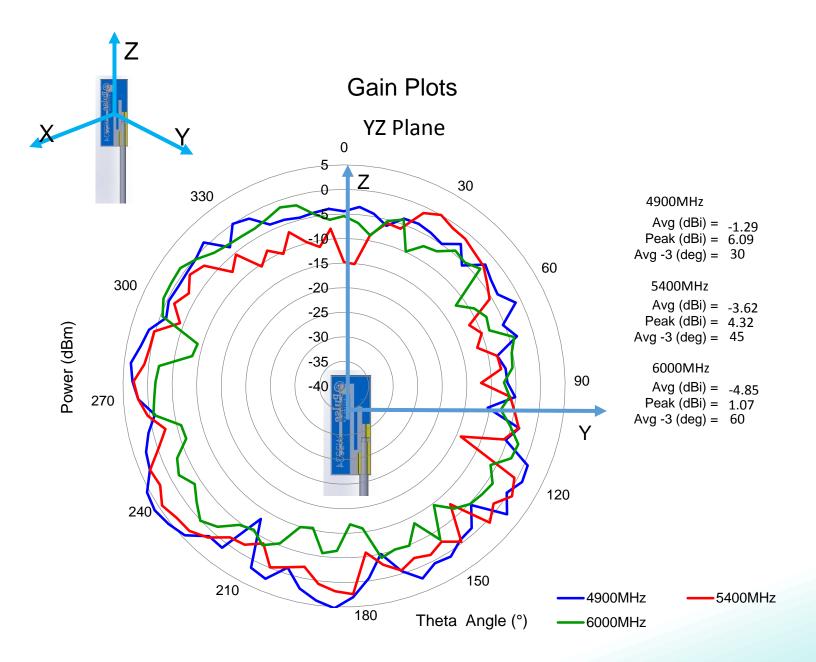




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ROHS

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PACKAGING

5PCS/PE bag 20 PE bag/foam bag 12 foam bag/ carton box

Total 1200PCS/Carton box



