



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
- See connector and cable options page 2

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: 1922

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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Description: FPC Antenna 2.4/5.xGHz/DSRC

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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
W3334BD0150	150mm 0.81mm OD cable	MHF4 compatible connector

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ROHS

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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 W3334BD0150	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 See Page 2.

Cable type See Page 2

Cable length Optional

Cable color Black

Adhesive 3M467

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85 ° C





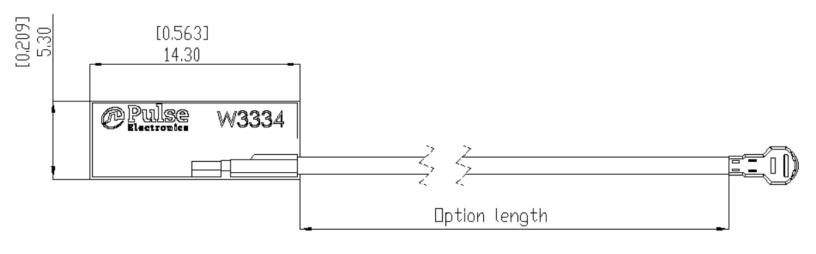


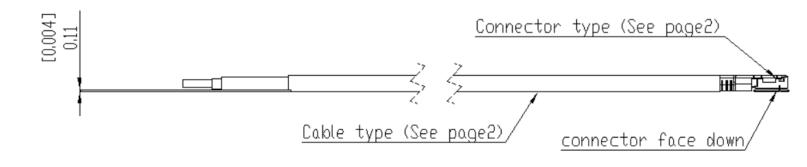


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MECHANICAL DRAWING







Description: FPC Antenna 2.4/5.xGHz/DSRC

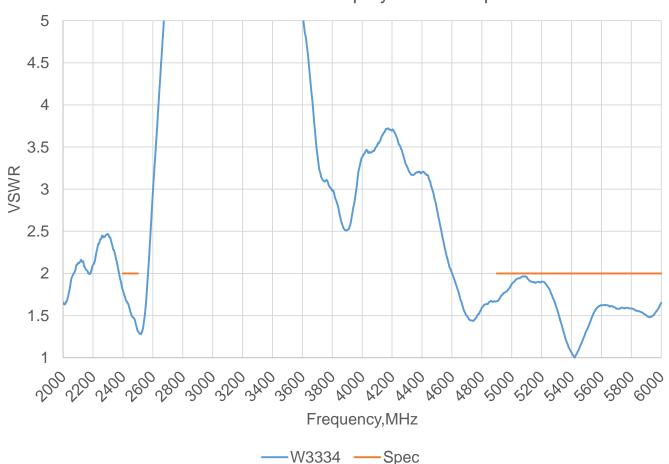
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CHARTS

VSWR

W3334 measured with polycarbonate plate



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





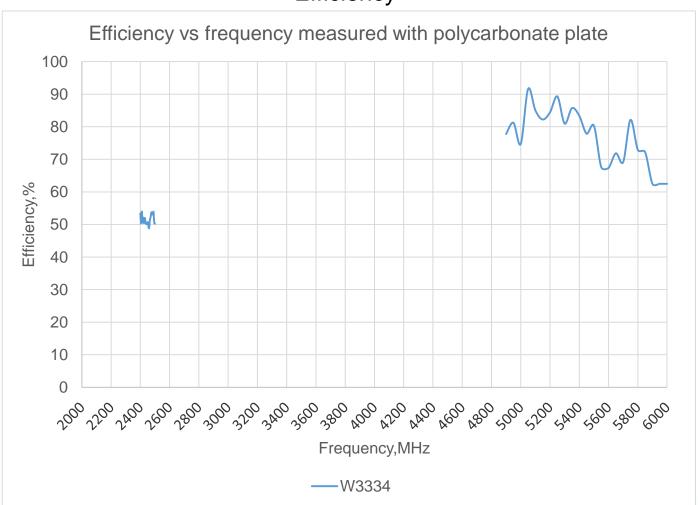
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CHARTS

Efficiency



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





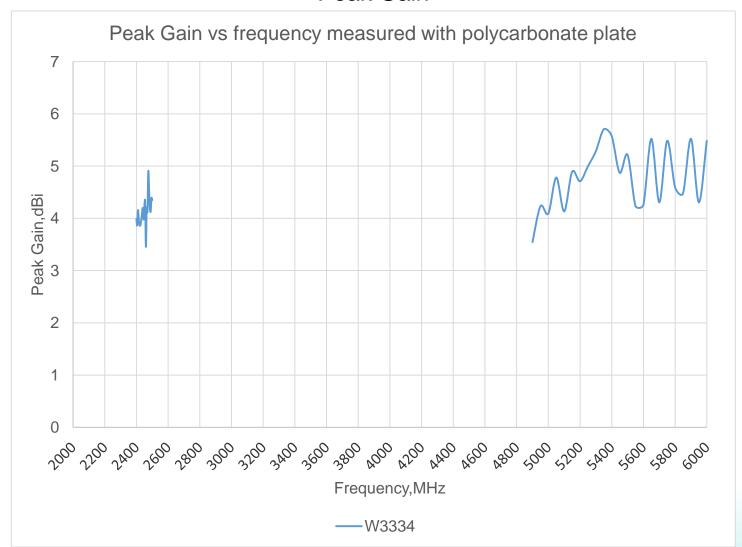


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CHARTS

Peak Gain



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ROHS

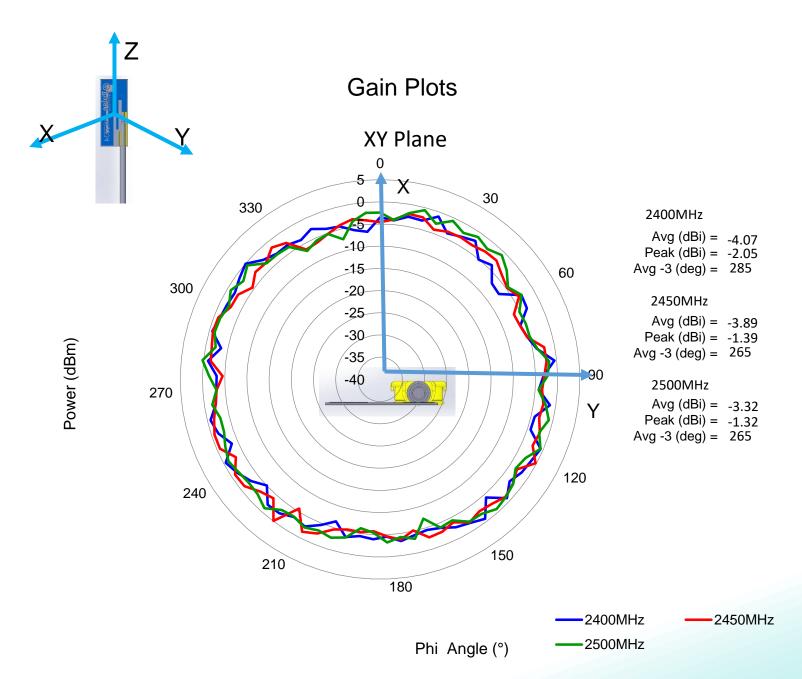




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CHARTS



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



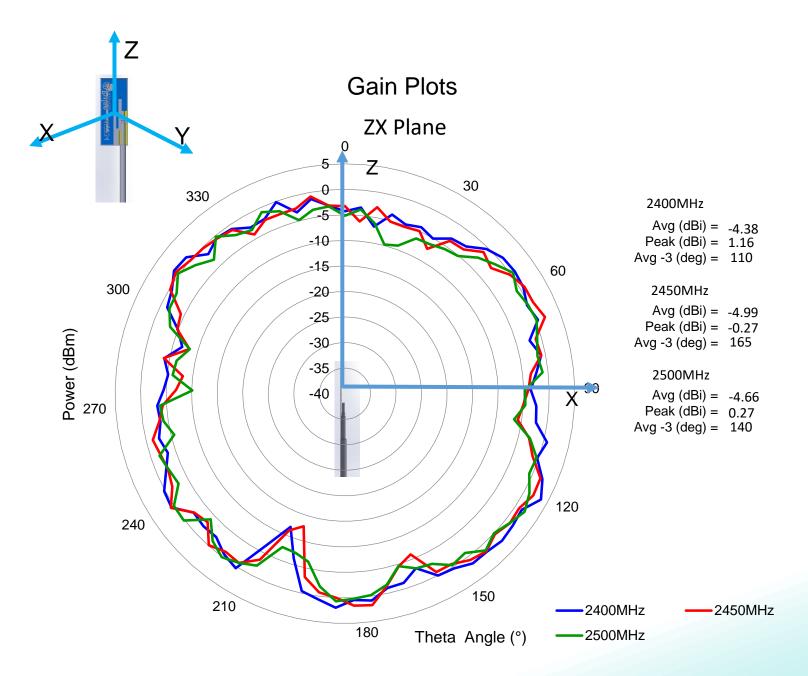




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Note: Antenna tested on 1mm thickness PC plate with 150mm feed cable



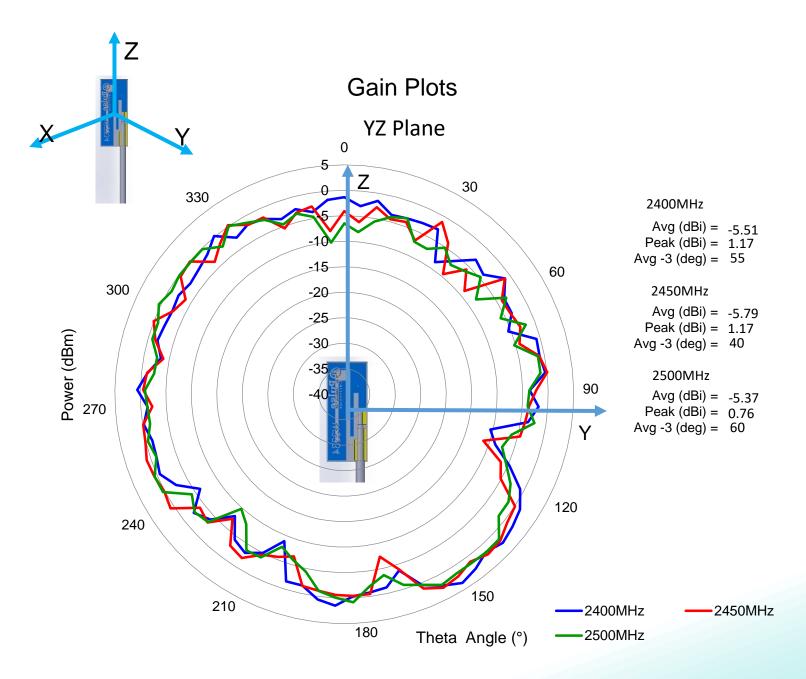




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CHARTS



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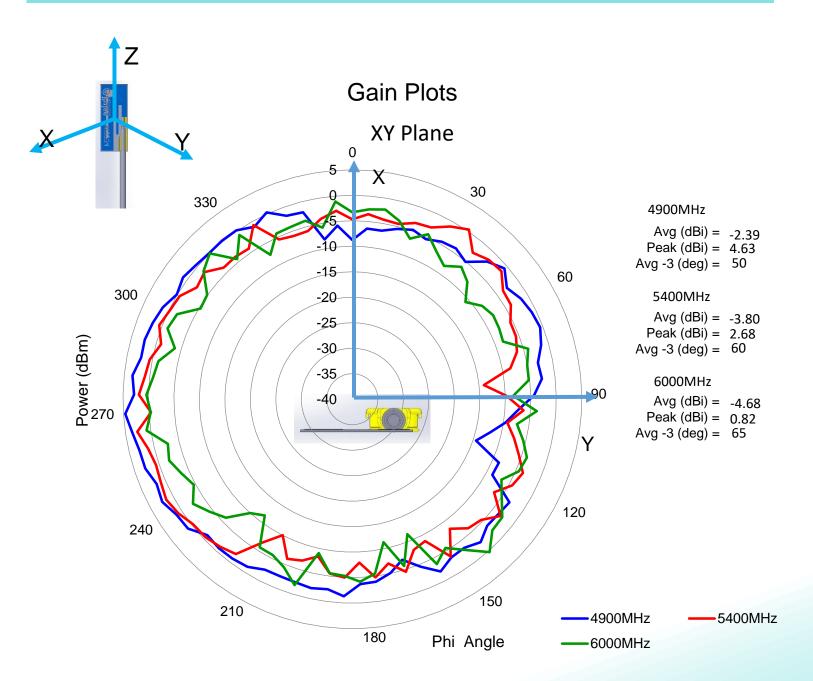




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CHARTS



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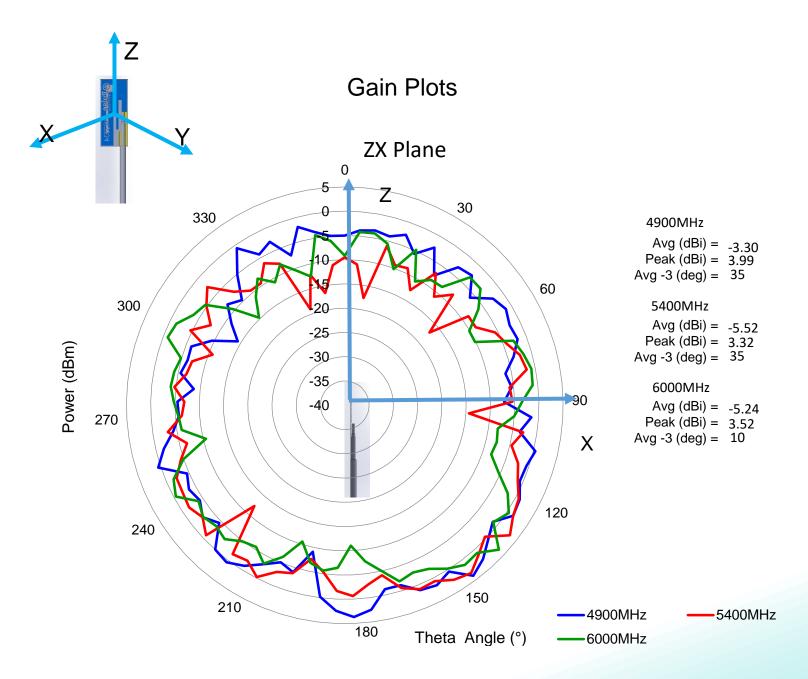




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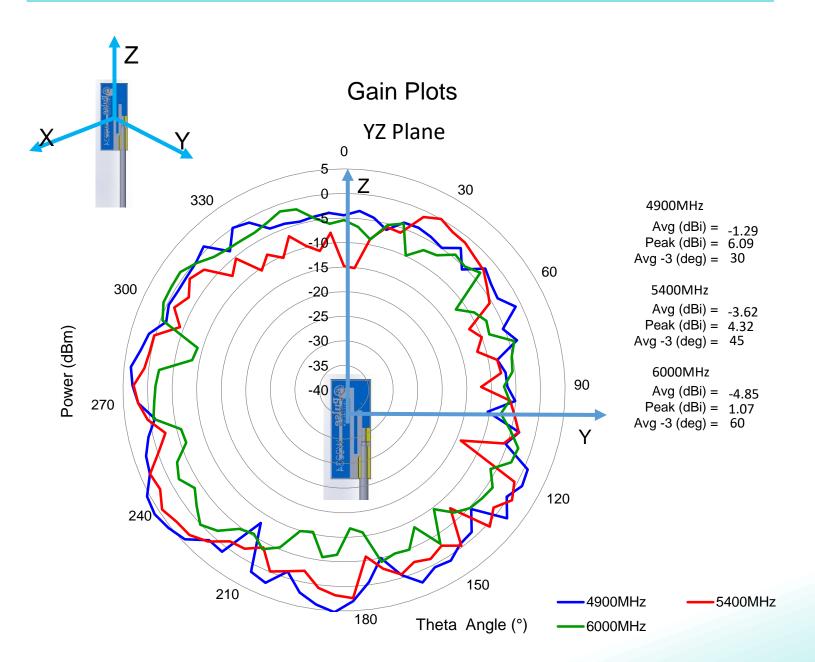




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CHARTS



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PACKAGING

10PCS/PE bag 10 PE bag/foam bag 12 foam bag/ carton box

Total 1200PCS/Carton box



