

Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXX

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: 1729

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

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden. For more information:

Pulse Worldwide Headquarters 15255 Innovation Drive #100 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



Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

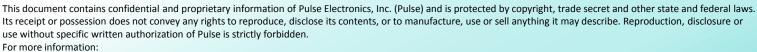
PART NUMBER: W3334XXXX

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

Issue: 1729

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





Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

ELECTRICAL SPECIFICATIONS

Fre	quency	2400-2500/4900-600	00 MHz
Nor	minal Impedance	50	Ω
VSI	WR	2.0:1	
Ave	erage efficiency(2400-2500MHz)	50	%
Ave	erage efficiency(4900-6000MHz)	70	%
Pea	ak Gain (2400-2500MHz)	4	dBi +/- 1 dB
Pea	ak Gain (4900-6000MHz)	5.5	dBi +/- 1 dB
Pol	arization:	Linear	
Pov	ver withstanding	3	W
Cor	nnector type	U.FL compatible	
Cab	ole type	φ =1.13[0.04]	mm[inch]
Cab	ole length	Optional	mm[inch]

(*) All RF parameters measured on 1mm thick PC plate





Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

MECHANICAL SPECIFICATIONS

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

Adhesive 3M467

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85 ° C





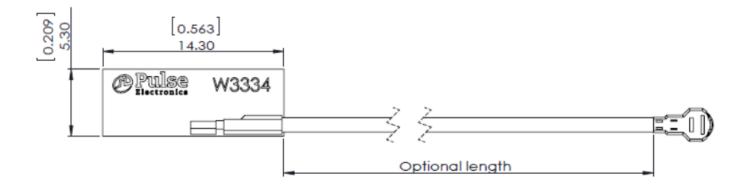


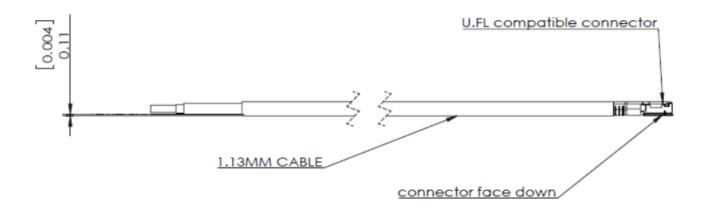
Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

MECHANICAL DRAWING







Description: FPC Antenna 2.4/5.xGHz/DSRC

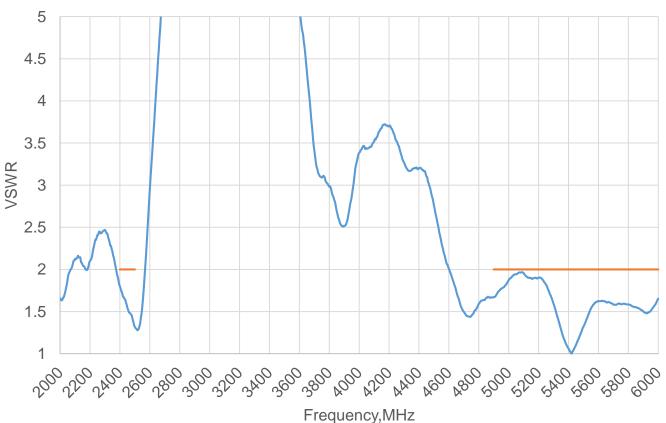
Series: Internal Antenna

PART NUMBER: W3334XXXXX

CHARTS

VSWR

W3334 measured with polycarbonate plate



-W3334 ----Spec





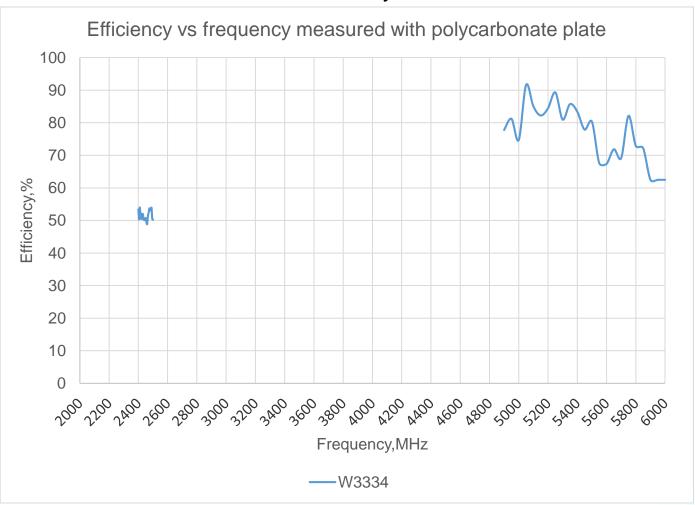
TECHNICAL DATA SHEET

Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

CHARTS

Efficiency





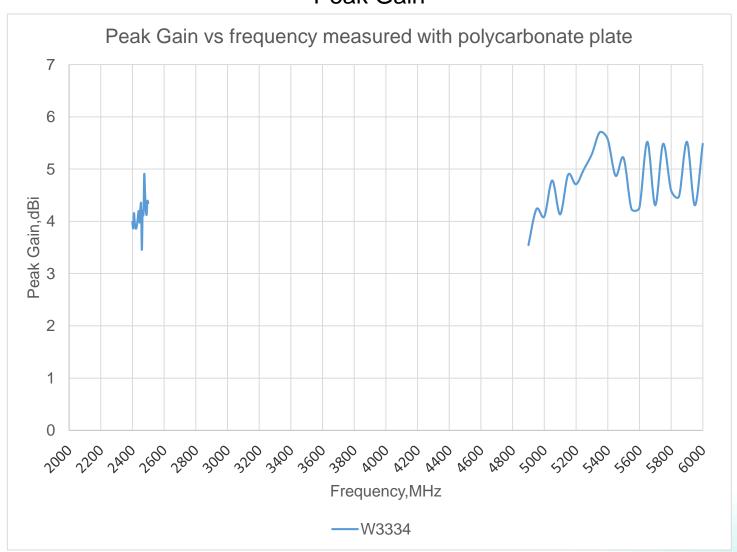
Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

CHARTS

Peak Gain



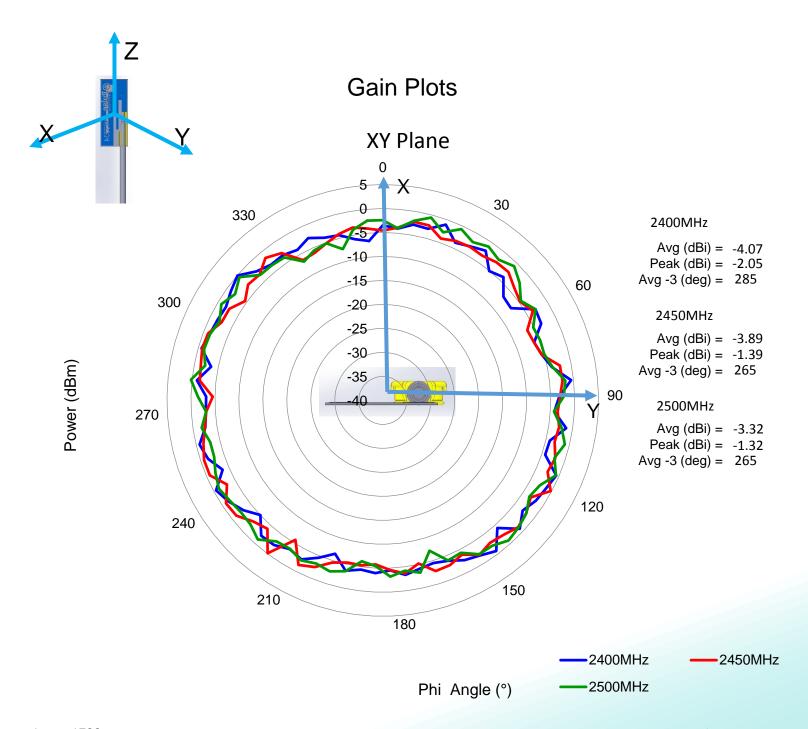


Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

CHARTS



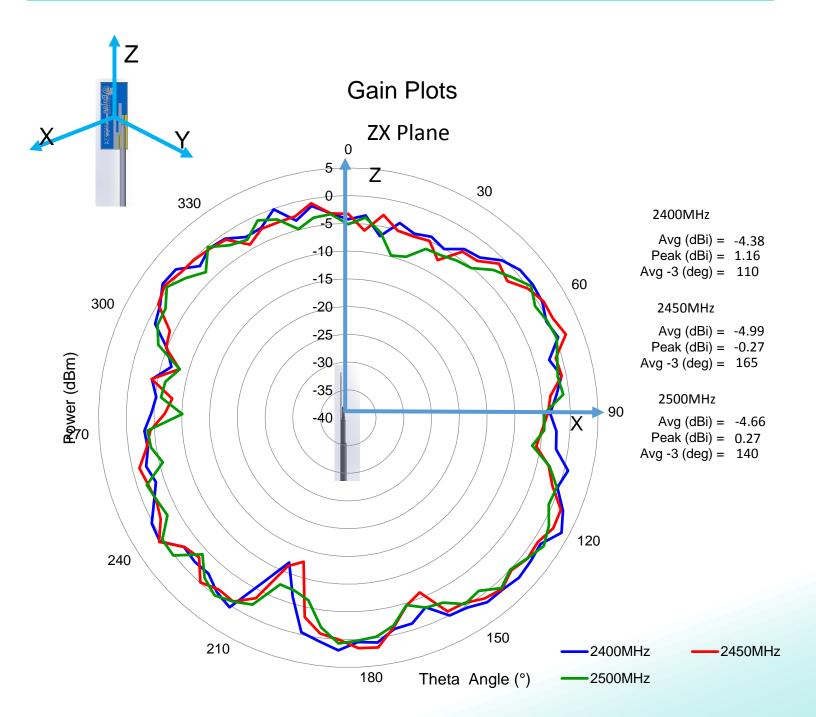




Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

CHARTS







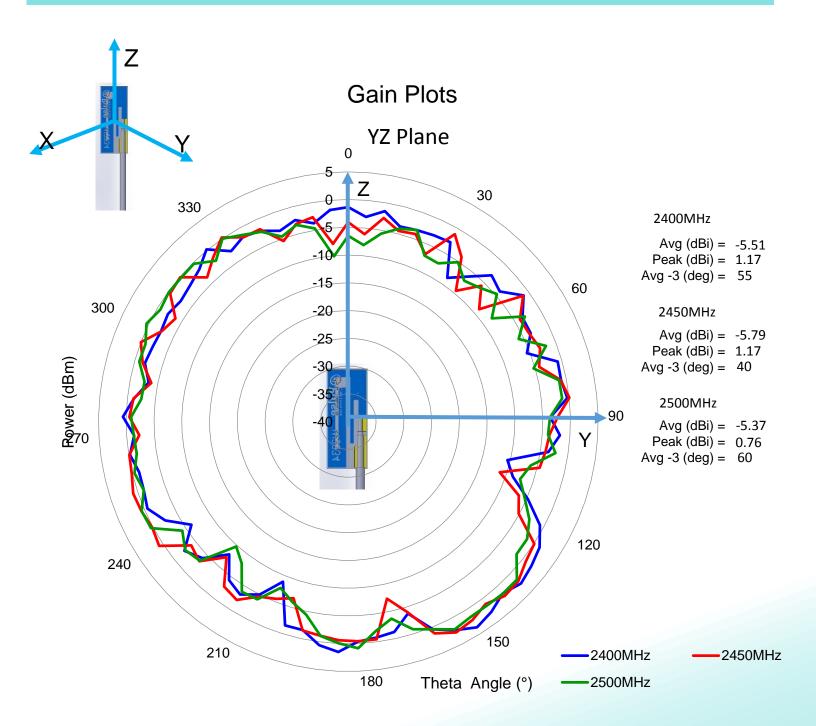


Description: FPC Antenna 2.4/5.xGHz/DSRC

Series: Internal Antenna

PART NUMBER: W3334XXXXX

CHARTS





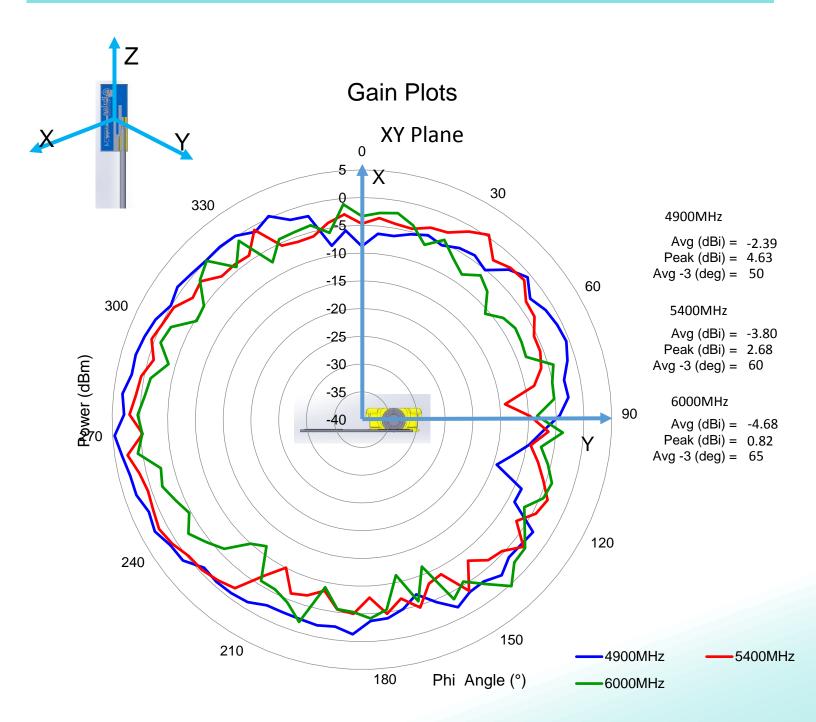




Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

CHARTS





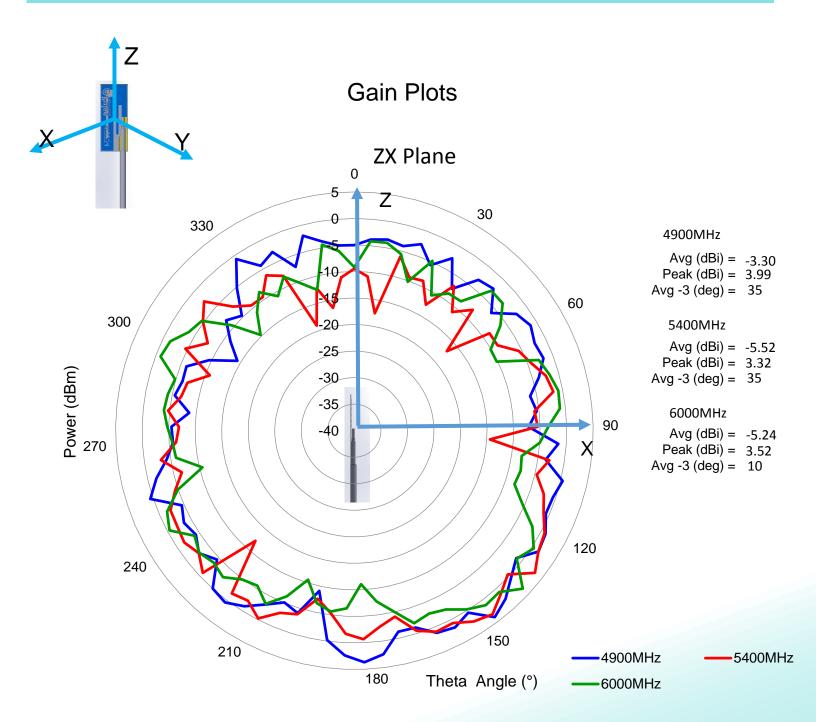




Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

CHARTS





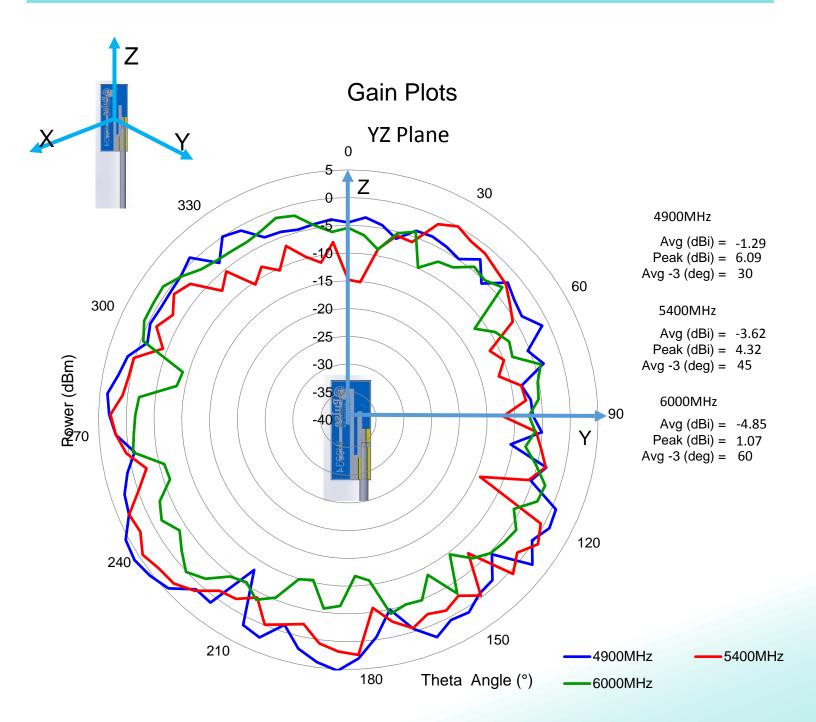




Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

CHARTS







Description: FPC Antenna 2.4/5.xGHz/DSRC

PART NUMBER: W3334XXXXX

Series: Internal Antenna

PACKAGING

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

Total 1200PCS/Carton box



