

Description: 2.4/4.9-7.125GHz FPC antenna
Series: Internal Antenna
PART NUMBER: W3917B0060

Features:

- 2400-2500 / 4900-7125 MHz
- Size 42.6 X 8.6 X 0.15 mm
- Efficiency 60/70%
- Nominal impedance 50 Ω
- Cable and connector can be customized

Applications:


- WiFi 6E, 802.11ax
- Bluetooth, BLE, ZigBee
- DSRC
- ISM band radios
- IoT, M2M

All dimensions are in mm / inches

Issue: 2024

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

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



Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3917B0060****ELECTRICAL SPECIFICATIONS**

Antenna Type	Dipole
Frequency	2400-2500MHz 4900-7125MHz
Nominal Impedance	50 Ω
Return Loss	2400-2500MHz<-6db 4900-7125MHz<-10db
Radiation Pattern	Omni
Gain	4+/-1dBi@2400-2500MHz 6+/-1dBi@5150-5850MHz
Efficiency	60%@2400-2500MHz 70%@4900-7125MHz
Polarization	Linear
Power Withstanding	5W

Issue: 2024

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.



Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3917B0060****MECHANICAL SPECIFICATIONS**

Radiator material	FPC
Color	Black
Adhesive	3M467
Thickness(with adhesive, no liner)	0.15mm
Weight	0.35g
FPC size(L X W X T)	42.6 X 8.6 X 0.15mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 ° C
-----------------------	-------------

Issue: 2024

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.



Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3917B0060****This document covers all product variants of the following product family:**

W3917B0060 60mm 1.13mm OD cable U.FL compatible connector

Issue: 2024

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.

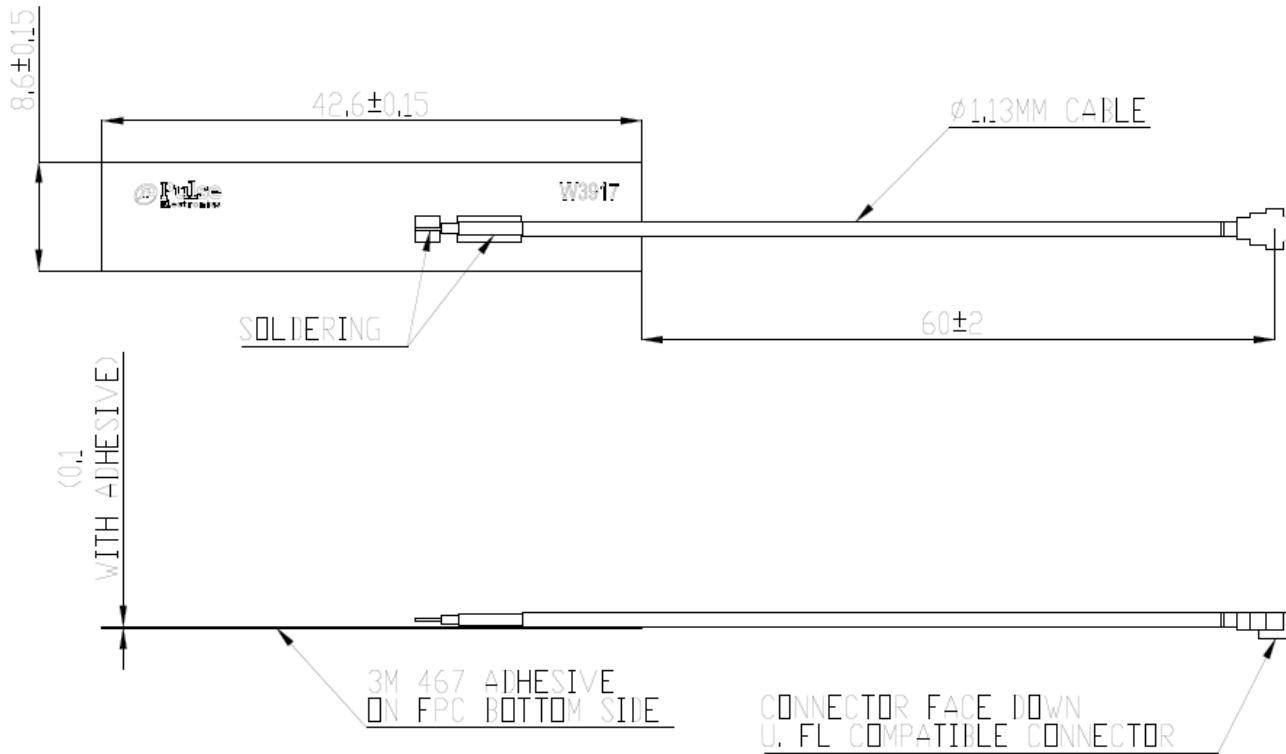


Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3917B0060

MECHANICAL DRAWING



Issue: 2024

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.

Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3917B0060

CHARTS

(*) All RF parameters measured on 2mm thick PC plate

Cable length 60mm

Test Setup



Issue: 2024

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.



Description: 2.4/4.9-7.125GHz FPC antenna

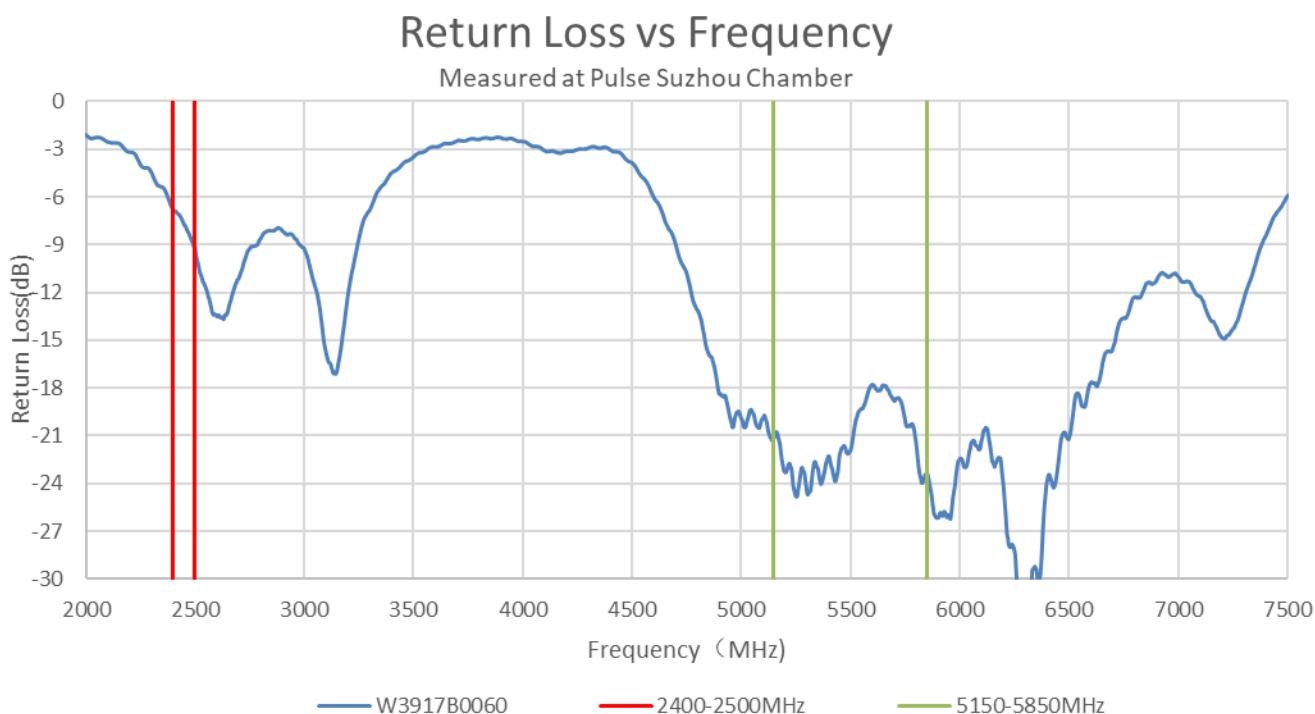
Series: Internal Antenna

PART NUMBER: W3917B0060

CHARTS

(*) All RF parameters measured on 2mm thick PC plate

Return Loss



Issue: 2024

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.



Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

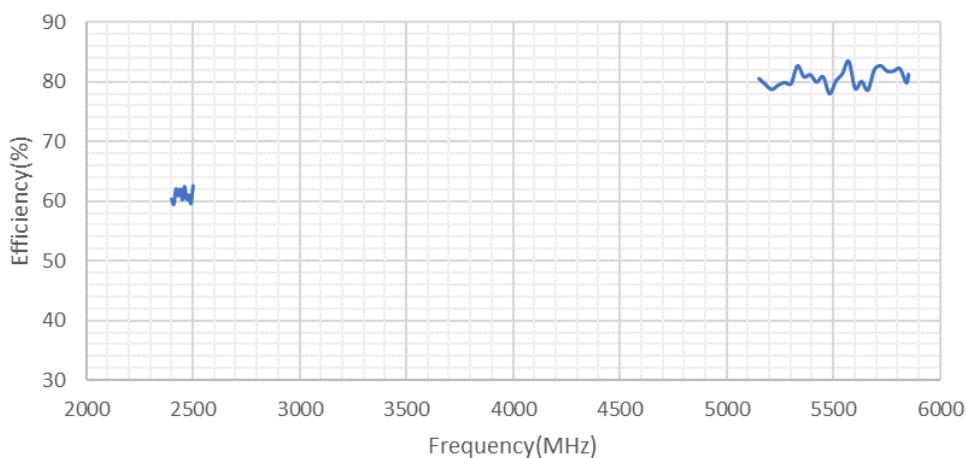
PART NUMBER: W3917B0060

CHARTS

(*) All RF parameters measured on 2mm thick PC plate

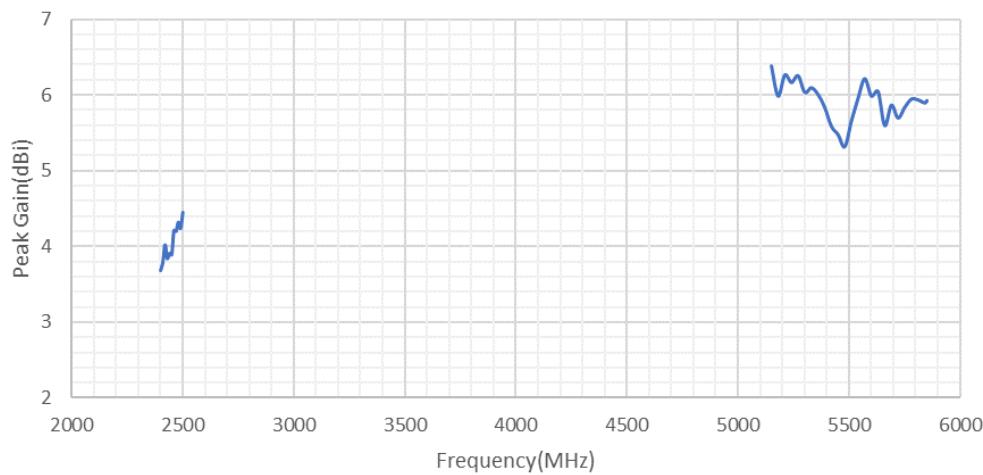
Efficiency

Efficiency vs Frequency



Peak Gain

Peak Gain vs Frequency



Frequency Range	Peak gain (dBi)
5150~5250 MHz	6.4
5725~5850 MHz	5.8

Issue: 2024

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.



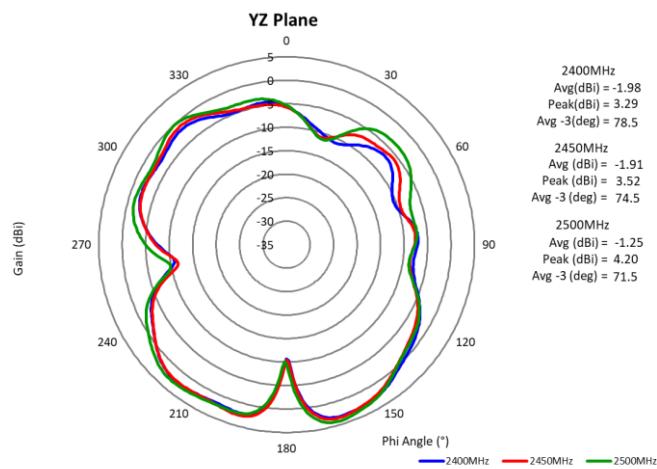
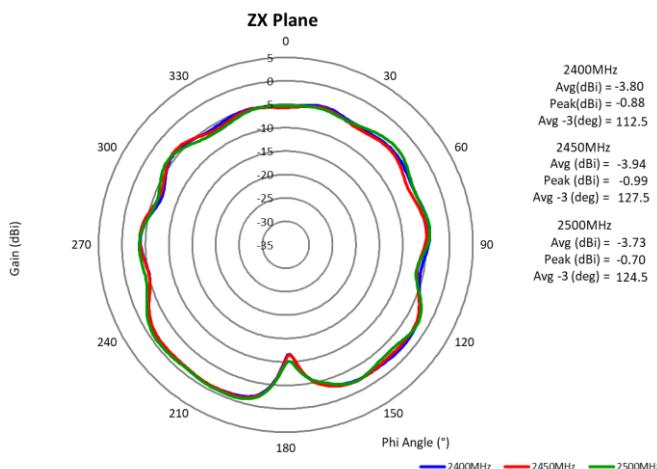
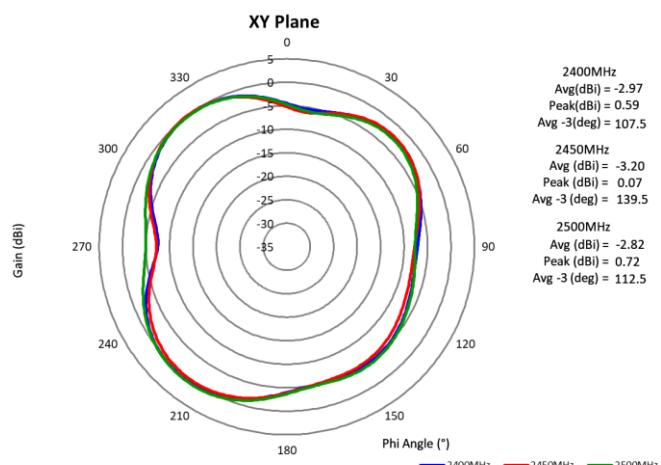
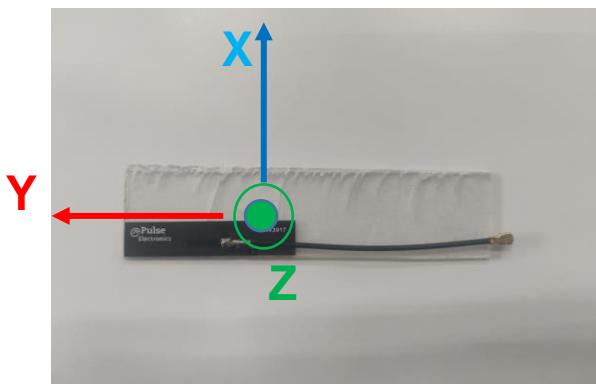
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3917B0060

CHARTS

Radiation Patterns 2400-2500MHz



Issue: 2024

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.



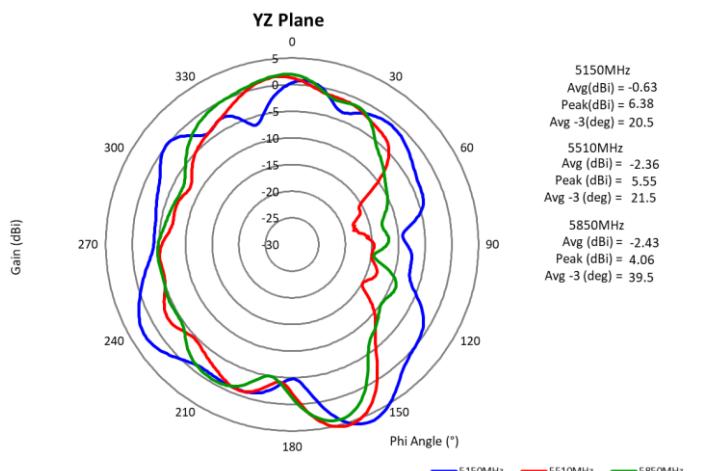
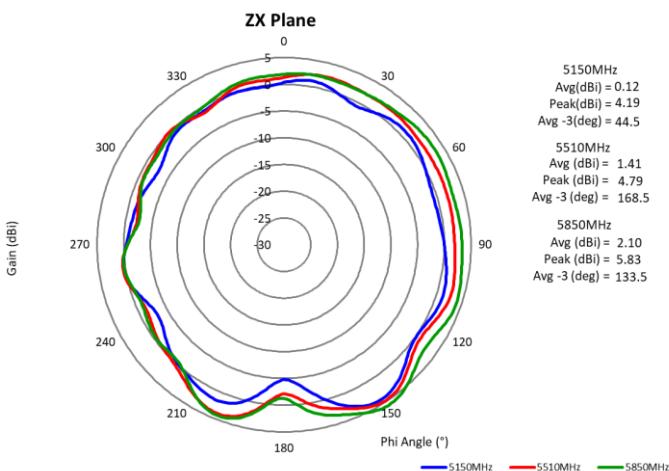
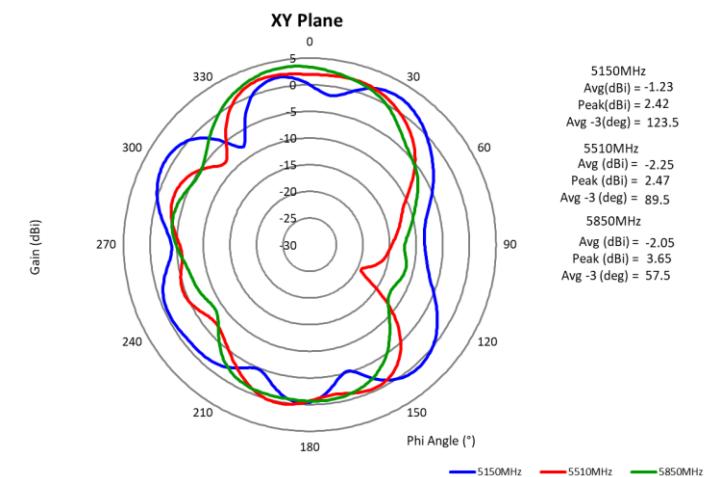
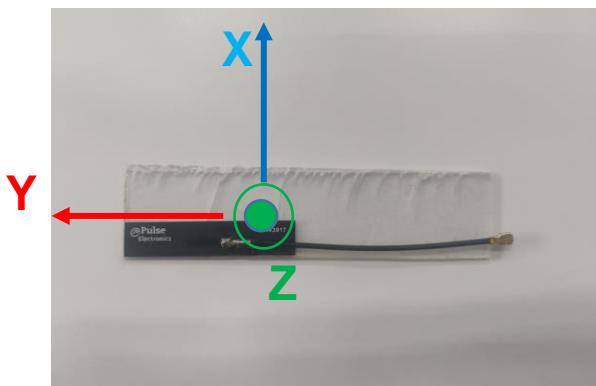
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3917B0060

CHARTS

Radiation Patterns 5150-5850MHz



Issue: 2024

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.



Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3917B0060

PACKAGING

10PCS/PE bag

10 PE bag/foam bag

50 foam bag/ carton box

Total 5000PCS/Carton box



Issue: 2024

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.

