

Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

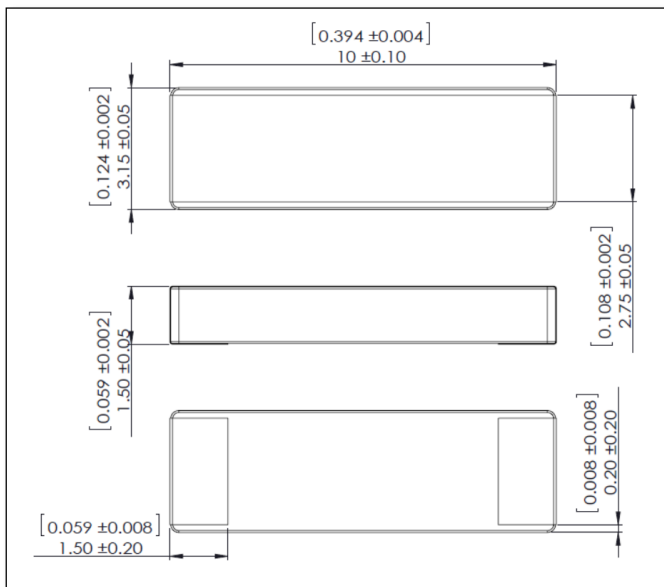


Features:

- Low profile
- Compact size W x L x H (10 x 3.2 x 1.5 mm)
- Low weight (240 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible

Applications:

- 868MHz radios
- 915MHz radios



All dimensions are in mm / inches

Issue: 1622

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
3611 NE 112th Ave
Vancouver, WA 98682
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Co, 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: ISM 868 / 915 MHz Chip Antenna**Series:** Ceramic**PART NUMBER:** W3014**ELECTRICAL SPECIFICATIONS**

Frequency	848-888MHz/895-935MHz
Nominal Impedance	50Ω
Return loss	-7dB
Gain (Radiating element	-0.5dBi +/- 1 dB
Radiation Pattern	Omni
Polarization:	linear
Total Efficiency	35%

Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

MECHANICAL SPECIFICATIONS

Size	10x3.2x1.5 mm
Weight	240 mg

ENVIRONMENTAL SPECIFICATIONS

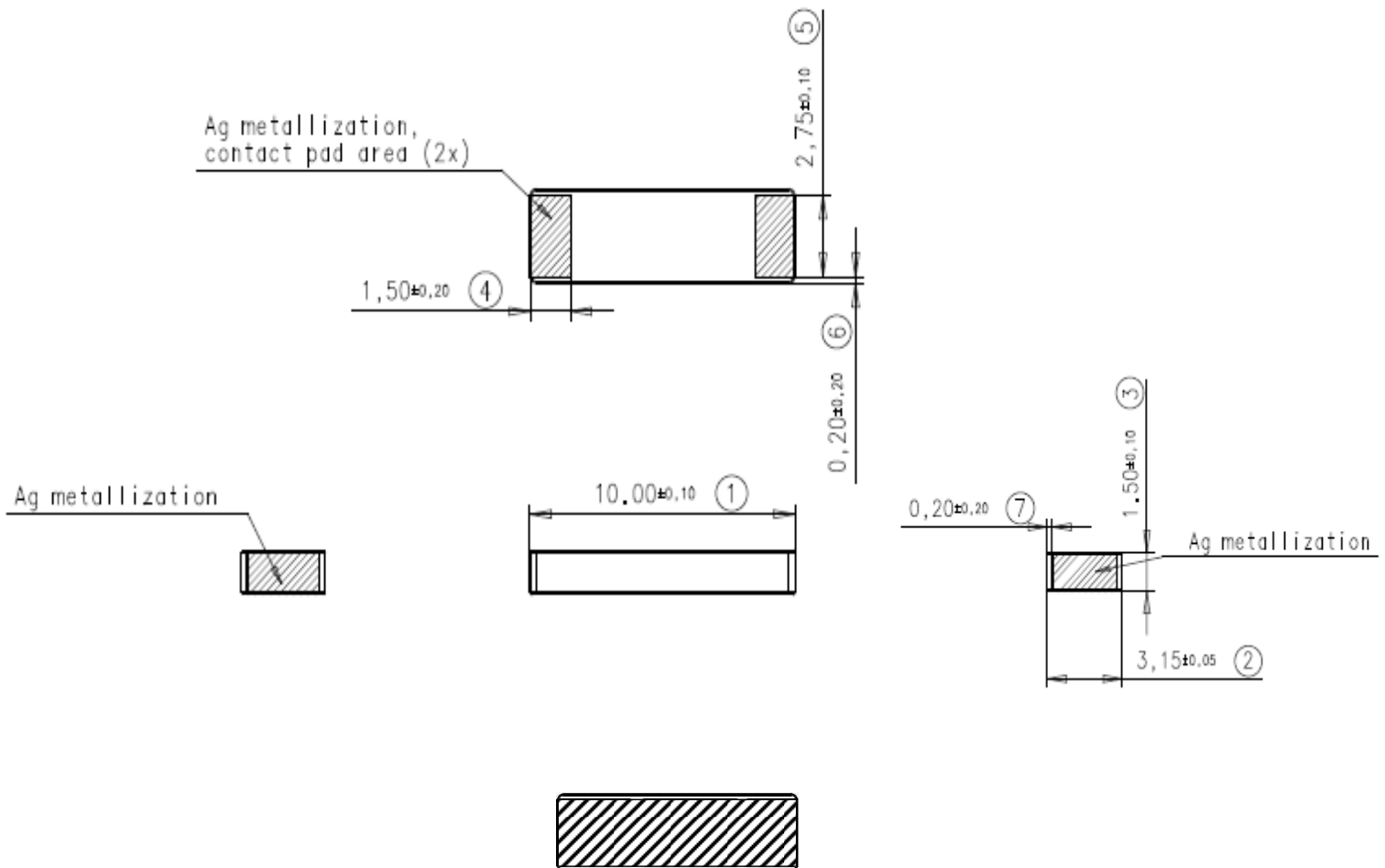
Operating temperature	-40/+85° C
-----------------------	------------

Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

MECHANICAL DRAWING



Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

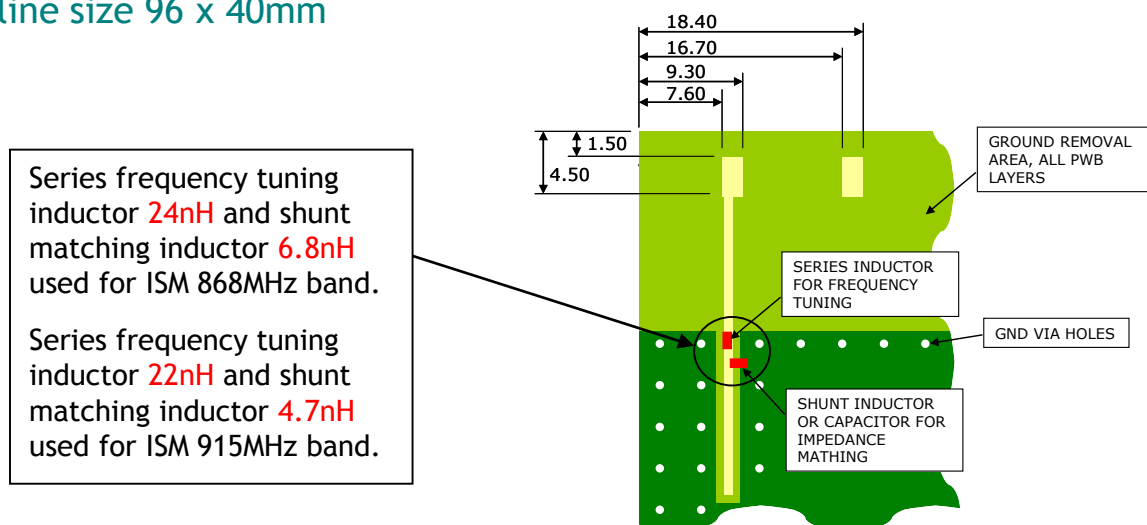
Series: Ceramic

PART NUMBER: W3014

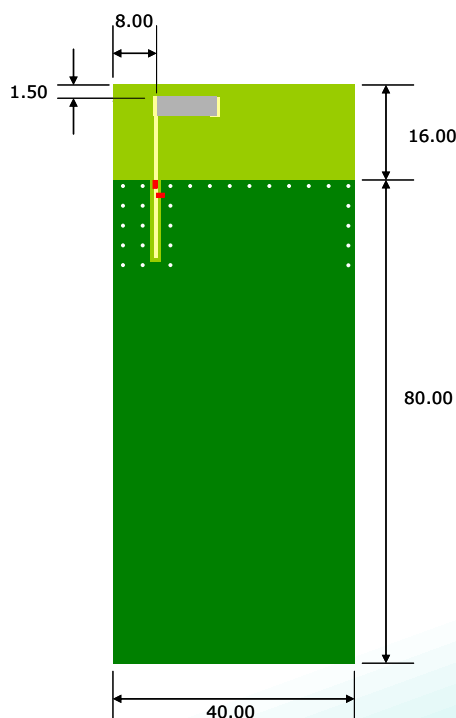
OTHER SPECIFICATIONS

Ground cleared under antenna, clearance area **40 mm x 16 mm**

Recommended test board layout for electrical characteristic measurement, test board outline size 96 x 40mm



Feed line should be designed to match 50 Ω characteristic impedance, depending on PWB material and thickness.



Matching and tuning component values depend on application and surrounding mechanics / materials

Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

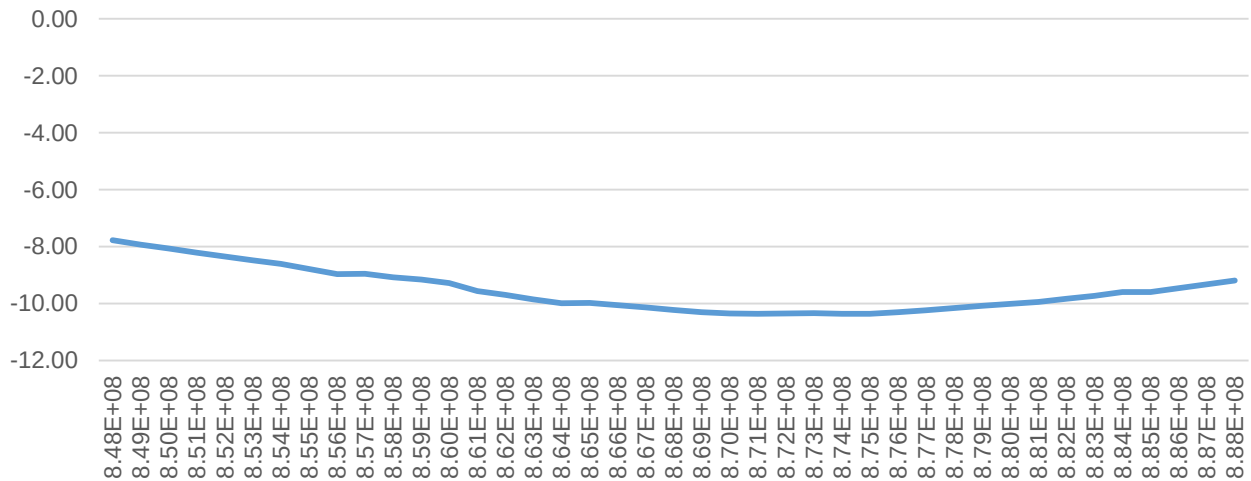
Series: Ceramic

PART NUMBER: W3014

CHARTS

Return Loss

ISM 868MHz RL in free space



ISM 915MHz RL in free space



Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

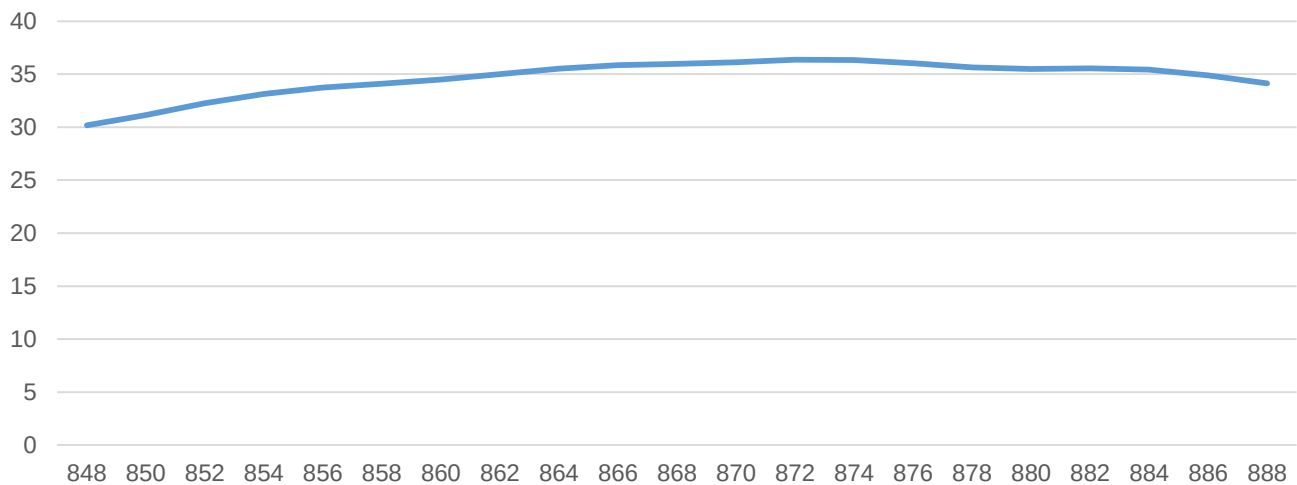
Series: Ceramic

PART NUMBER: W3014

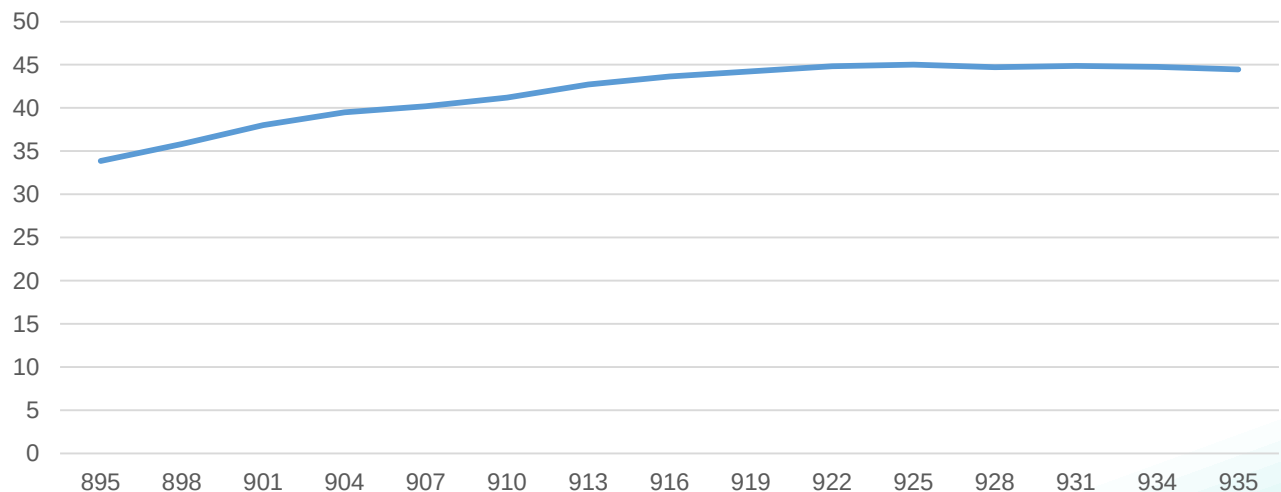
CHARTS

Efficiency(%)

ISM 868MHz Total Efficiency in free space, %



ISM 915MHz Total Efficiency in free space, %



Issue: 1622

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.

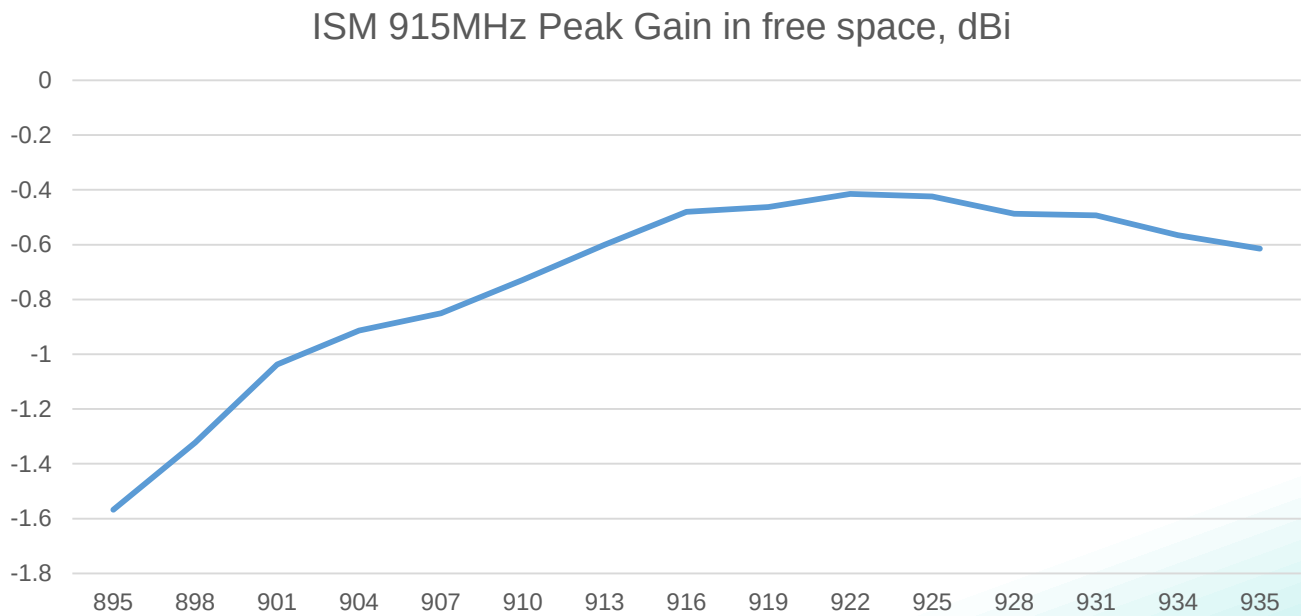
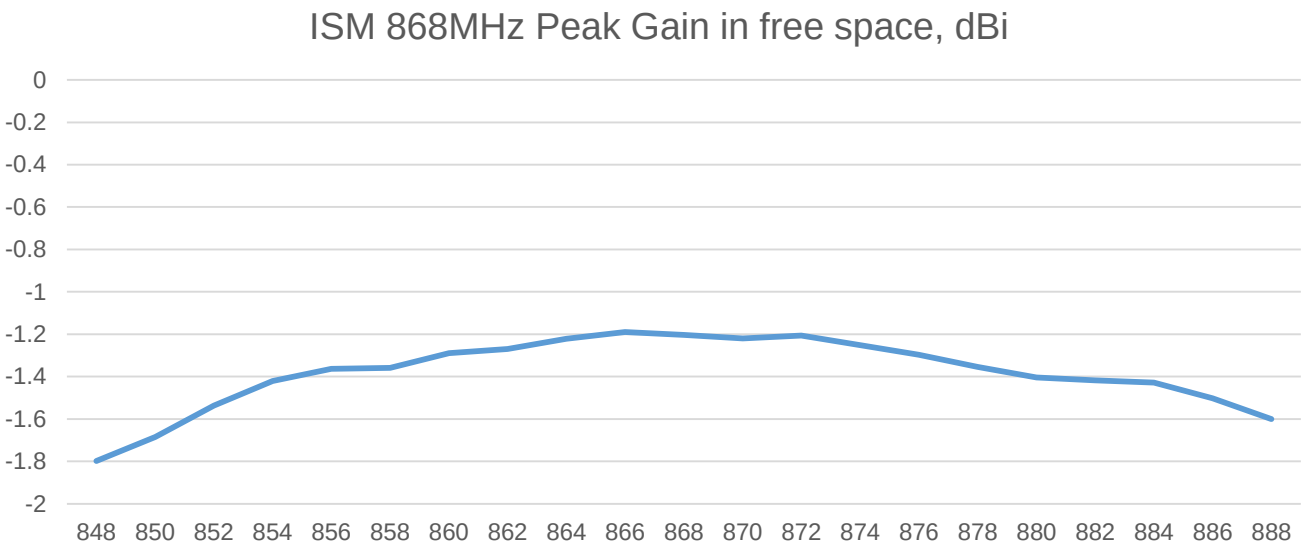
Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

CHARTS

Peak Gain(dBi)



Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

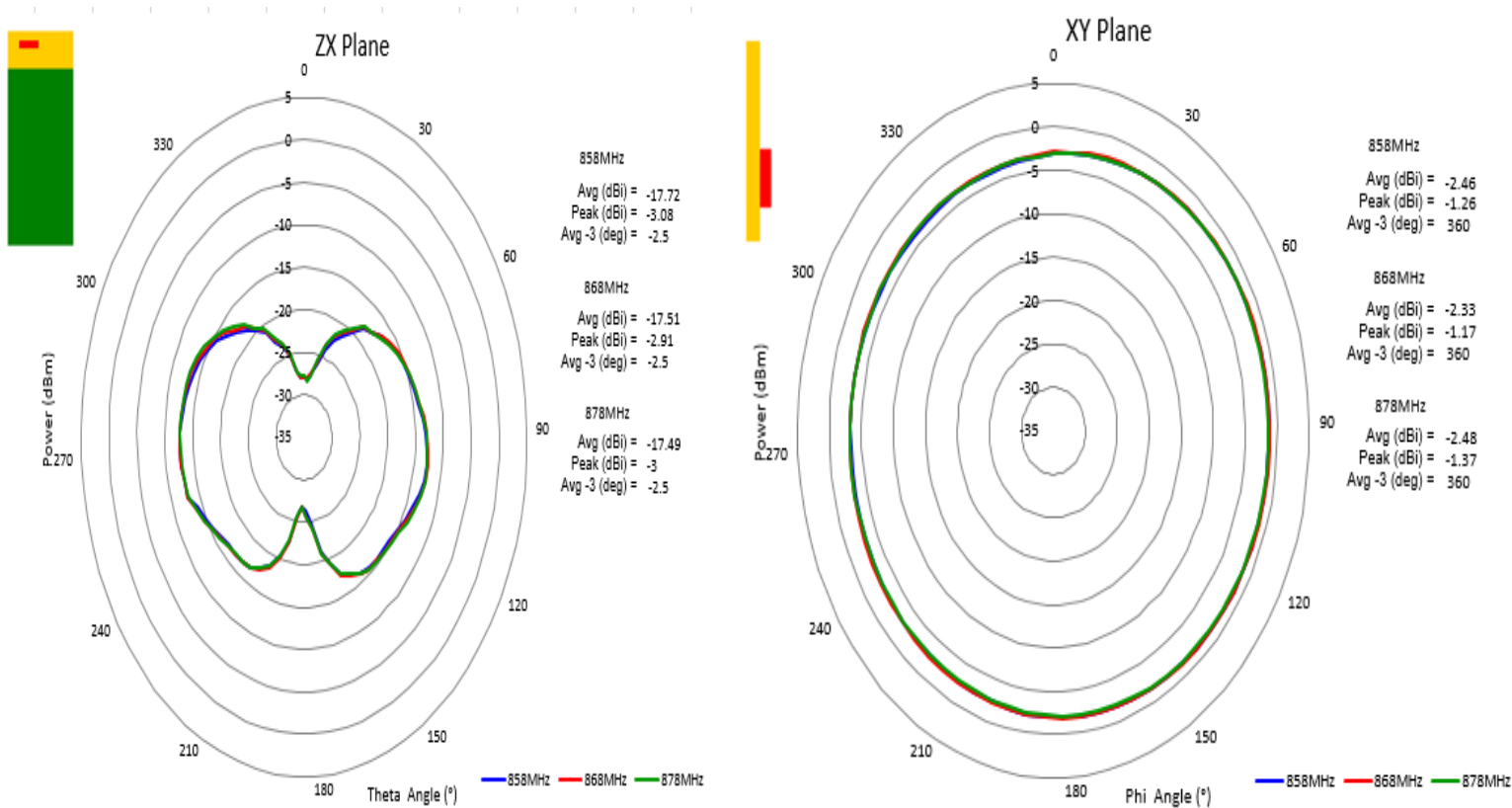
Series: Ceramic

PART NUMBER: W3014

CHARTS

free space radiation pattern

ISM 868MHz radiation pattern



Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

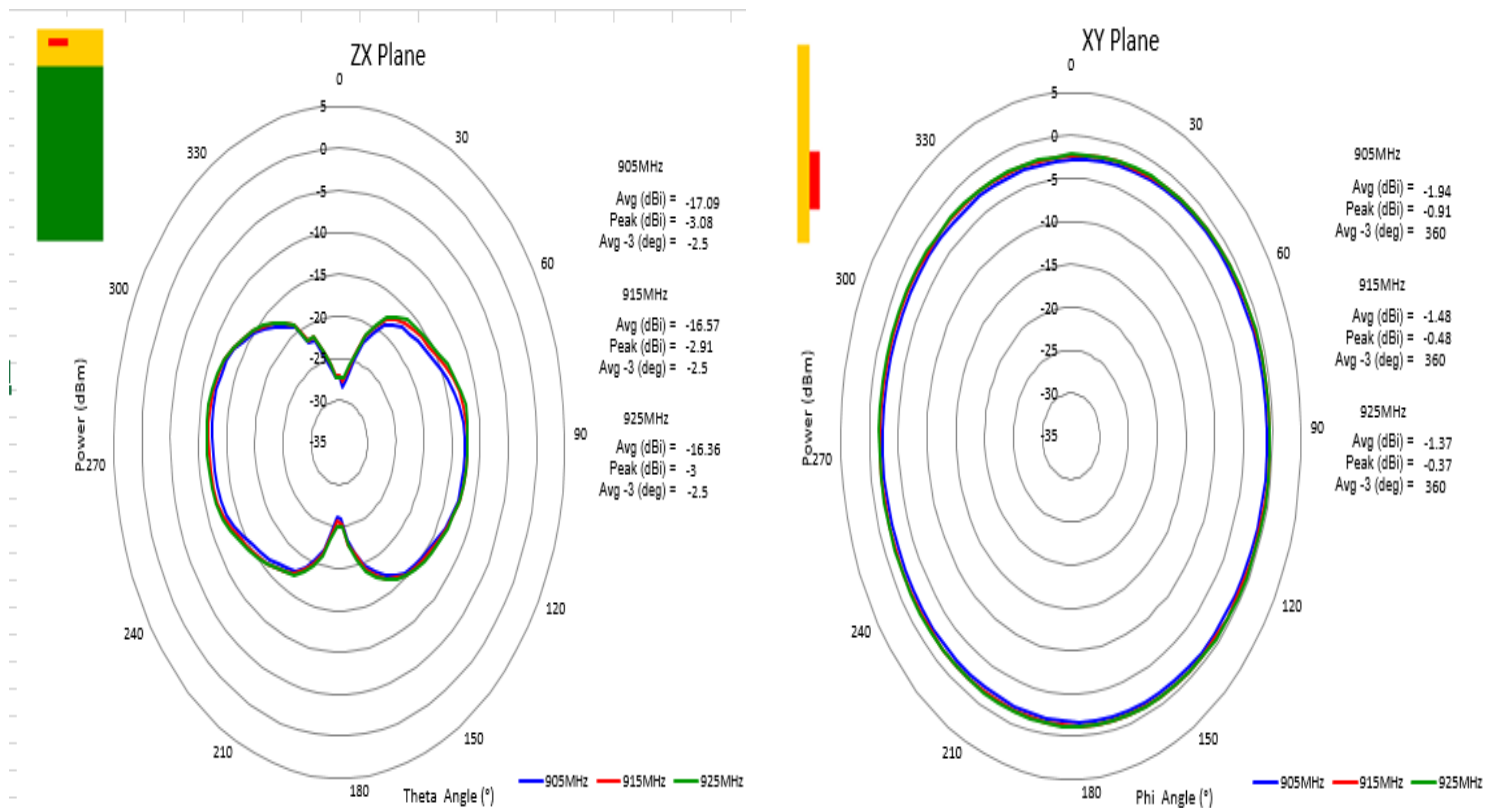
Series: Ceramic

PART NUMBER: W3014

CHARTS

free space radiation pattern

ISM 915MHz radiation pattern



Issue: 1622

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: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

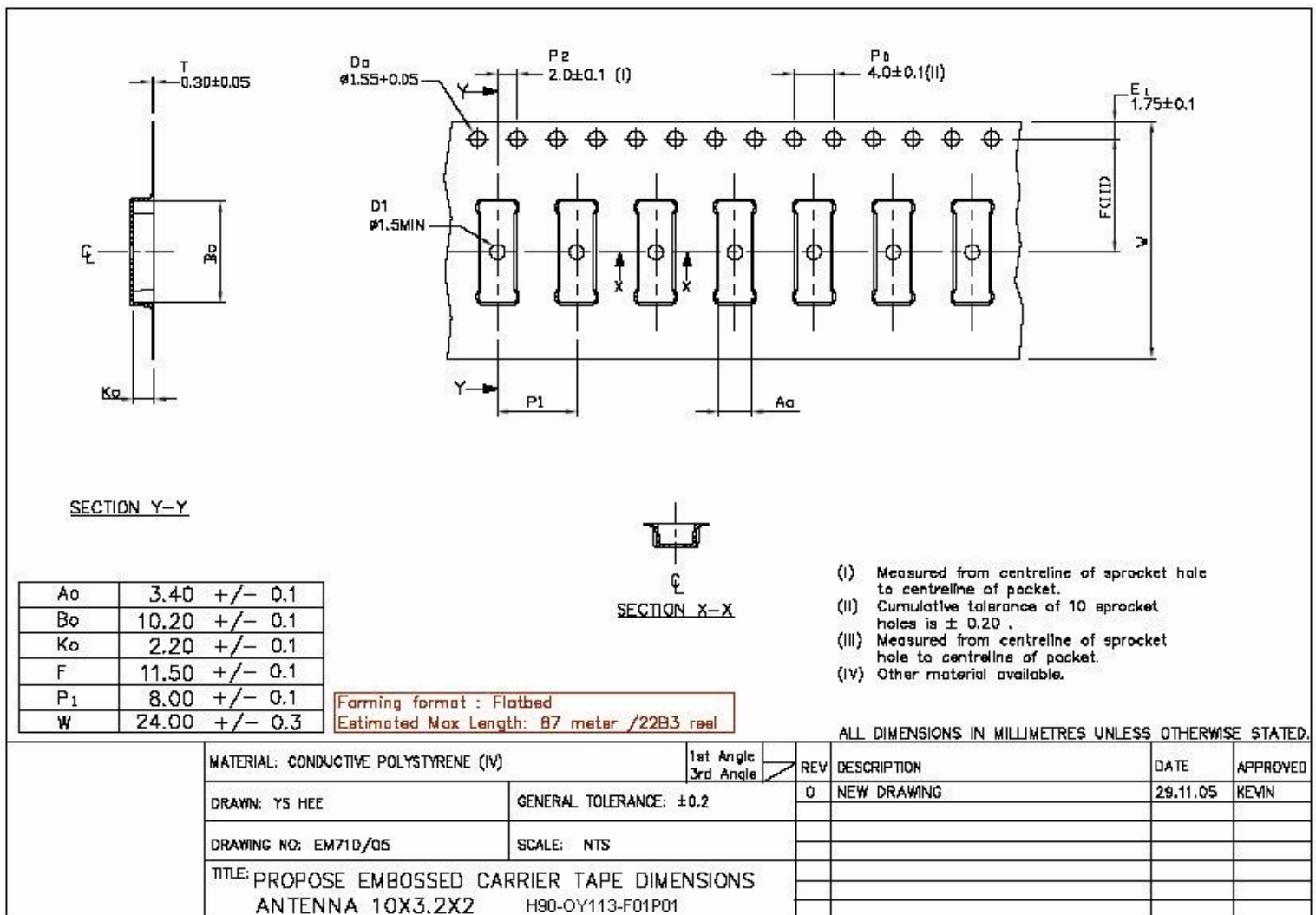
PART NUMBER: W3014

PACKAGING

General

Tape and reel packing is used. Carrier tape, reel and box dimensions are presented in following pictures.

Carrier tape



Issue: 1622

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

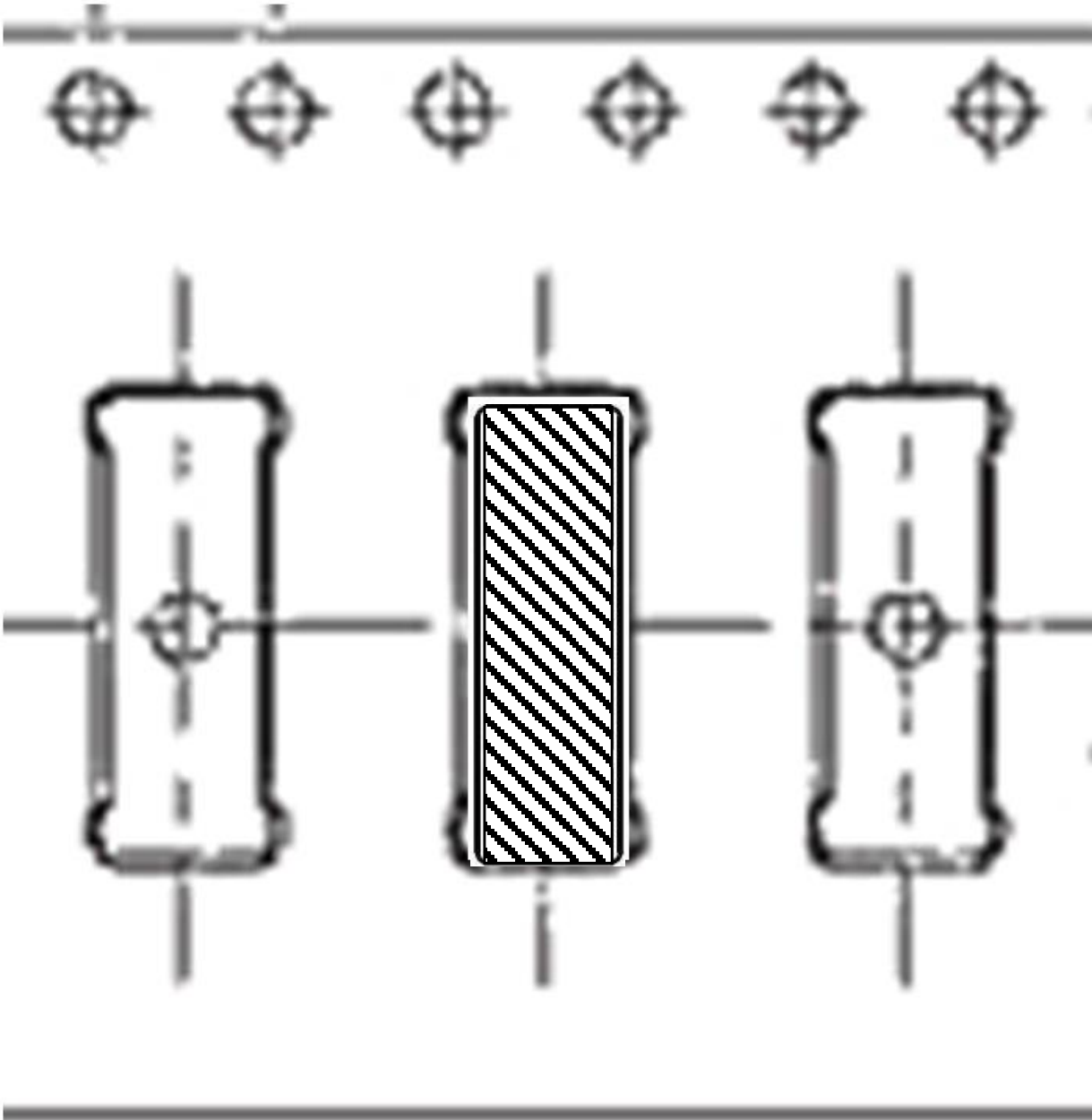
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

Block orientation



Issue: 1622

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

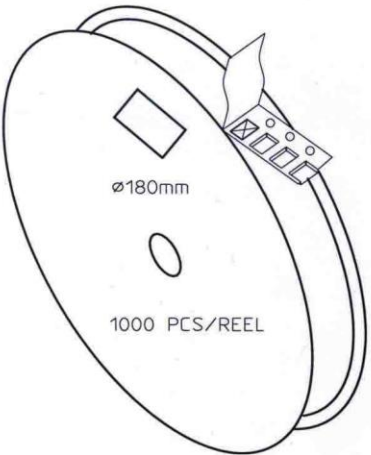
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: ISM 868 / 915 MHz Chip Antenna

Series: Ceramic

PART NUMBER: W3014

Packing form

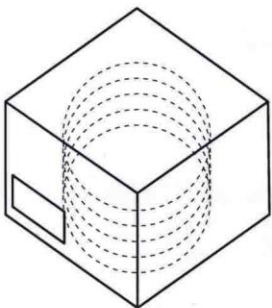


CARRIER TAPE H85-00168
width=24,00 depth=2.20
COVER TAPE H85-00159
width=21.20

LENGTH OF TAPE:

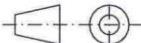
- Leader section: min 350 mm before component section
- Trailer section: min 40 mm after component section.

Empty part cavities at leader and trailer section of the tape must be sealed with top cover tape.



BOX H85-00128 1 pcs
(182x182x125)
- LABEL 1 pcs/BOX

REEL H85-00160 4 pcs
(D180, W28)
- REEL LABEL 1 pcs/REEL

MATERIAL									
HANDLINGS									
		RATIO	DRWN	160107	PeHa	H			
			DGNER			G			
			CHKD			F			
			APPRD			E			
PRODUCT H90-OY113-F01P01			APPRD BY			D			
						C			
						B			
						A			
DENOMINATION PACKING FORM			VERSION		MOD/DATE/NAME				

Issue: 1622

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[W3014](#) [W3014-K](#)