

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna



10 ±0,1 [0.394 ±0.003] PATTERN PATTERN PATTERN PATTERN

Features:

- 3 in1 –combo antenna
 - Port 1: 868/915MHz
 - Port 2: 2.4GHz
- Compact size 3.2x10x2mm
- SMT mounting on PCB
- Tape & Reel packing
- High isolation between ports >20dB

Applications:

- ISM band radios
- 868MHz, 915MHz, 2.4GHz
- IoT, M2M, set top boxes, devices requiring small embedded multiband ISM antenna

All dimensions are in mm / inches

Issue: 2049

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: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

ELECTRICAL SPECIFICATIONS

Frequency ISM868/915MHz, ISM2.4GHz

Nominal Impedance 50Ω

Return Loss <-7dB @868/915MHz

<-5dB@2.4

Gain 1dBi +/- 1 dB@868/915MHz

3dBi +/- 1 dB@2.4GHz

Radiation Pattern Omni

Polarization: Vertical

Power withstanding 2W



Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

MECHANICAL	SPECIFICATIONS
------------	-----------------------

Weight 0.3 g

Overall Length 10[0.39] MM[INCHES]

Over all width 3.2[0.12] MM[INCHES]

Over all thickness 2[0.08] MM[INCHES]

MSL Level 1

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85° C



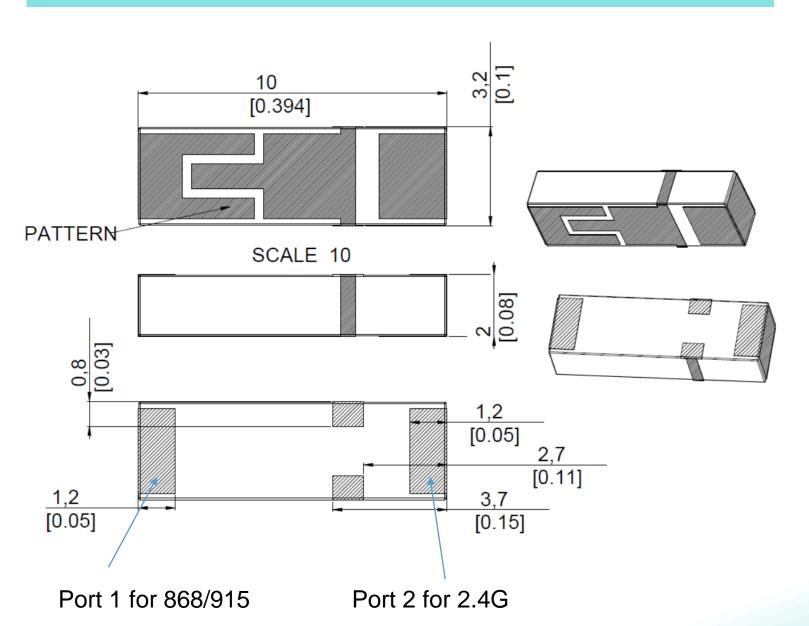


Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

MECHANICAL DRAWING





Description: ISM868/915, ISM2.4G

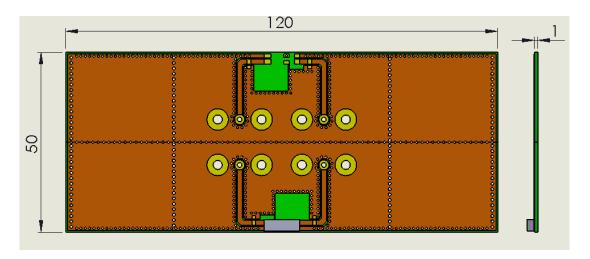
PART NUMBER: W3320

Series: Ceramic antenna

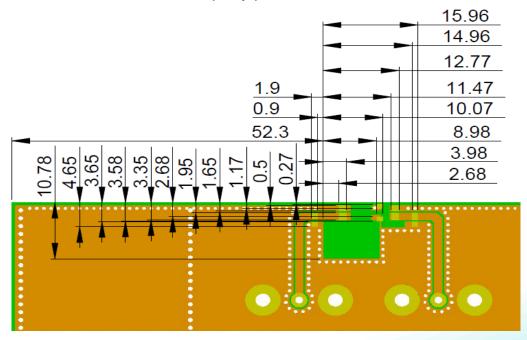
OTHER SPECIFICATIONS

PCB LAYOUT

1, PCB material, FR4, size, 120X50X1mm



2, Clearance area (Top)





Description: ISM868/915, ISM2.4G

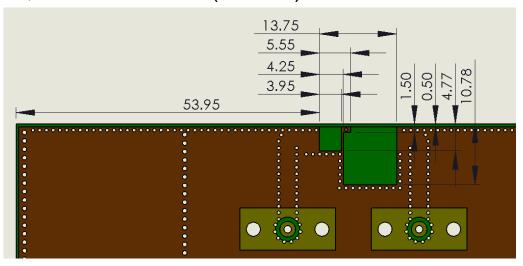
Series: Ceramic antenna

PART NUMBER: W3320

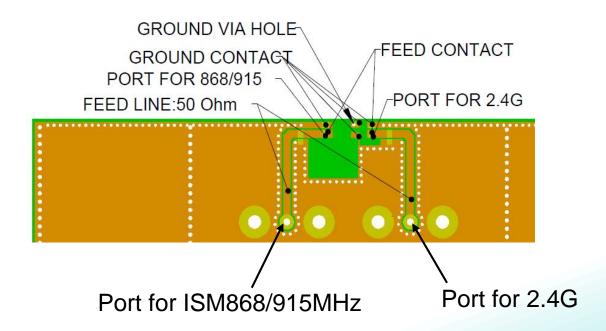
OTHER SPECIFICATIONS

PCB LAYOUT

3, Clearance area (Bottom)



4, PCB Features







Description: ISM868/915, ISM2.4G

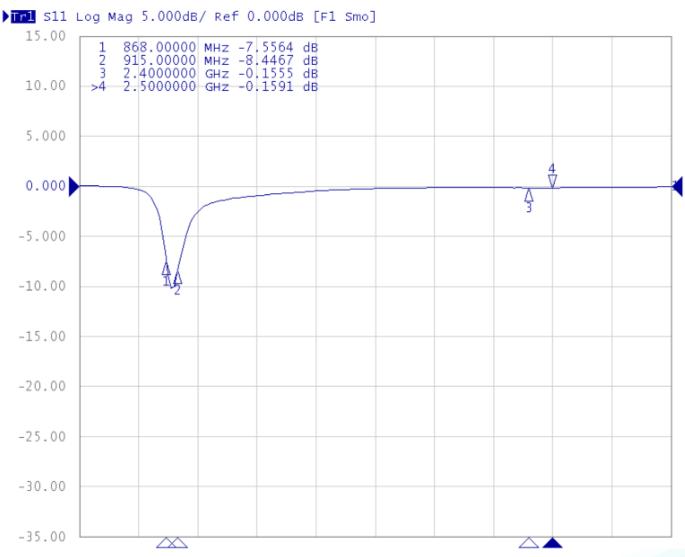
PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

Return Loss

ISM868/915MHz





TECHNICAL DATA SHEET

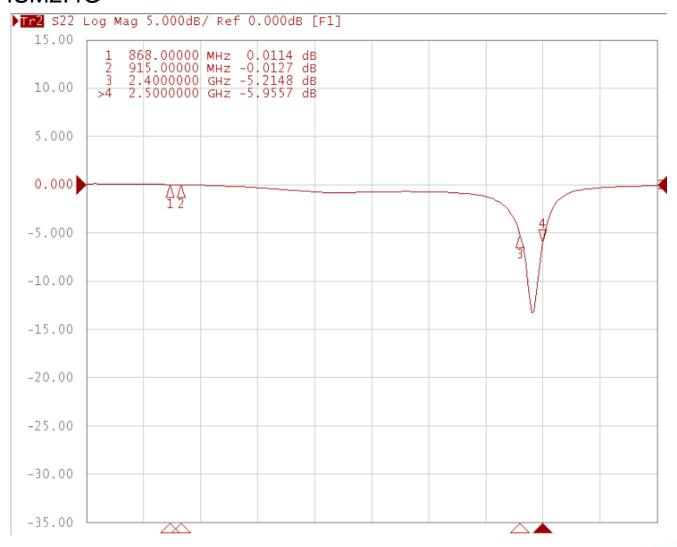
Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Return Loss

ISM2.4G







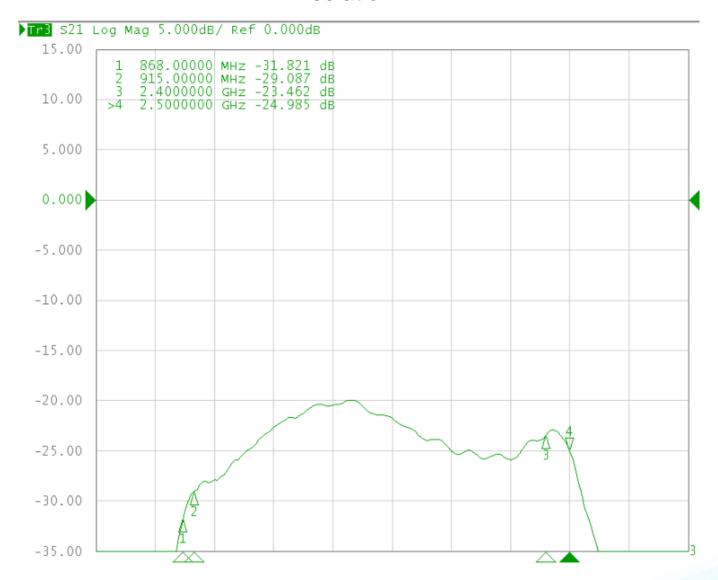
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Isolation









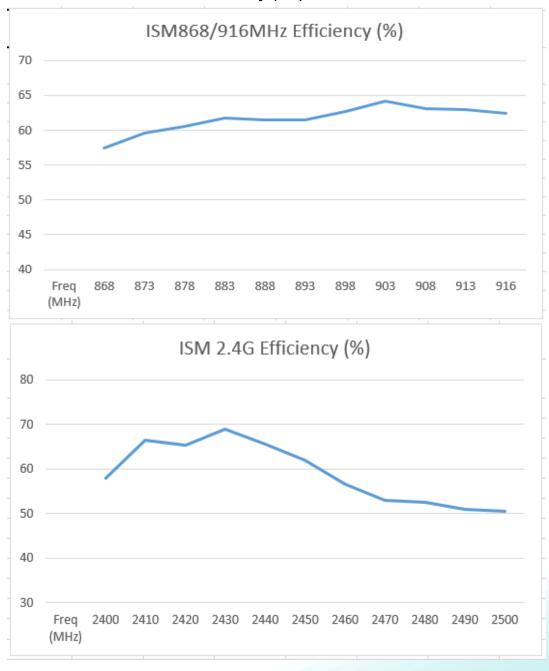
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Efficiency(%)





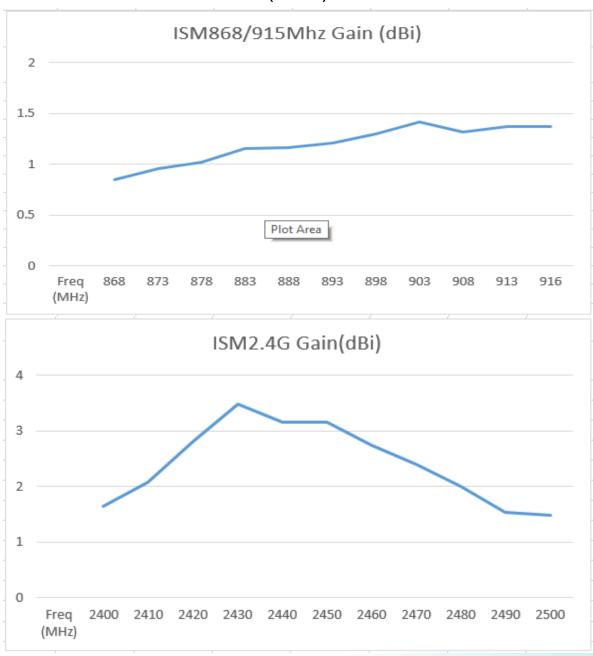
Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

CHARTS

Gain (dBi)









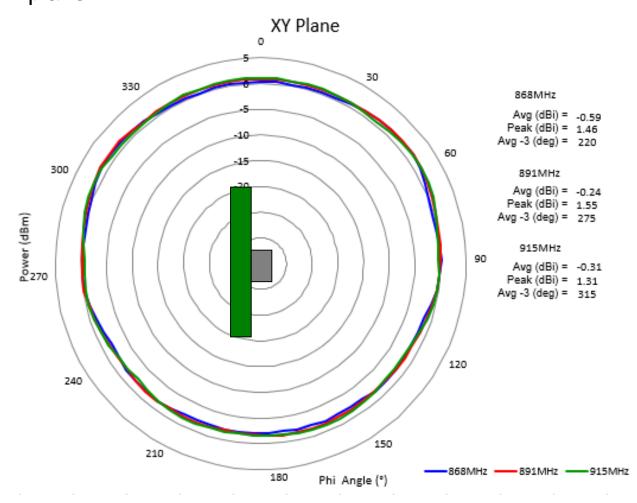
Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

CHARTS

Typical free space radiation pattern ISM868/915MHz X-Y plane





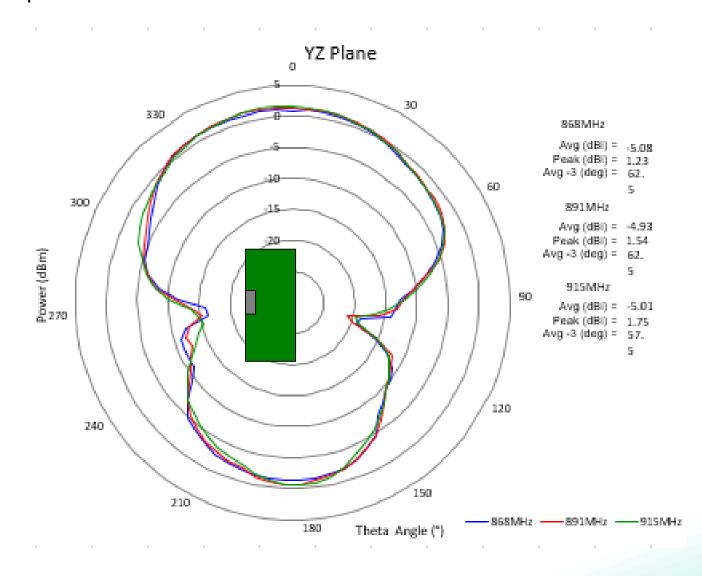
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

ISM868/915MHz Y-Z plane









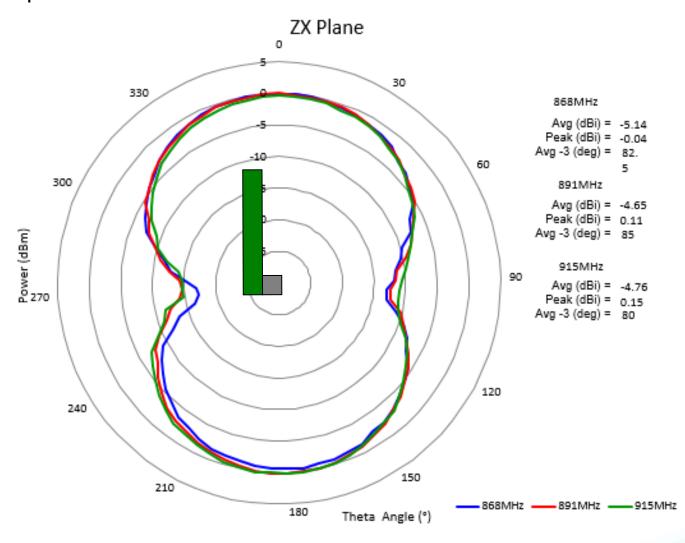
Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

ISM868/915MHz X-Z plane









a YAGEO company

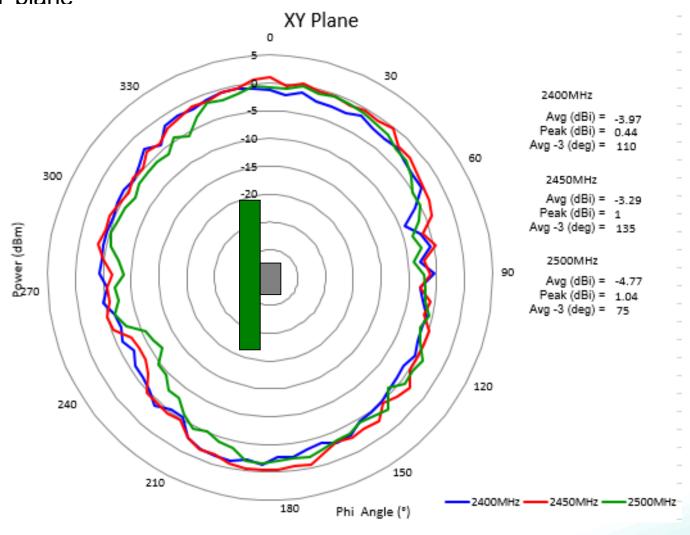
Series: Ceramic antenna

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Typical free space radiation pattern ISM2.4GHz X-Y plane





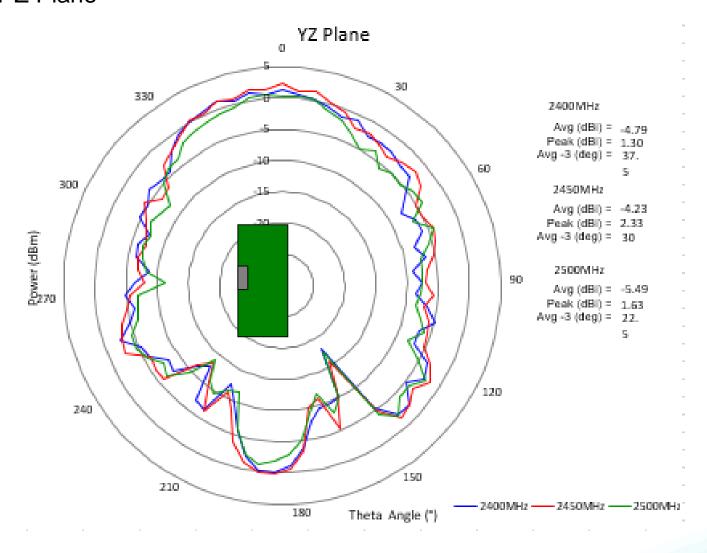
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

ISM 2.4GHz Y-Z Plane





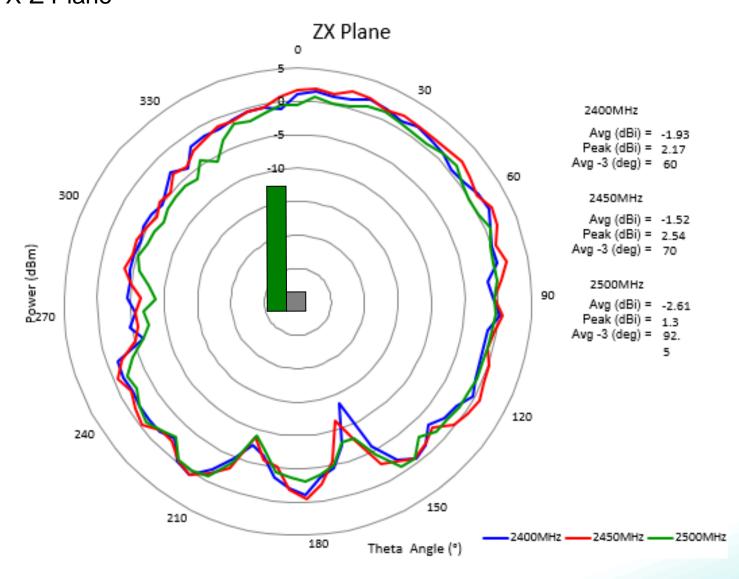
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

ISM 2.4GHz X-Z Plane





TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

PACKAGING

Taping package 1000PCS/Reel 3000PCS/Small box 6000PCS/Carton box









X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Antennas category:

Click to view products by PulseLarsen manufacturer:

Other Similar products are found below:

GAN30084EU 930-033-R GW17.07.0250E 1513563-1 EXE902SM APAMPG-117 MAF94383 W3908B0100 W6102B0100 YE572113-30RSMM 108-00014-50 66089-2406 SPDA17RP918 A09-F8NF-M A09-F5NF-M RGFRA1903041A1T W3593B0100 W3921B0100 SIMNA-868 SIMNA-915 SIMNA-433 W1044 W1049B090 A75-001 WTL2449CQ1-FRSMM CPL9C EXB148BN 0600-00060 TRA9020S3PBN-001 Y4503 GD5W-28P-NF MA9-7N GD53-25 GD5W-21P-NF C37 MAF94051 MA9-5N EXD420PL B1322NR QWFTB120 MAF94271 MAF94300 GPSMB301 FG4403 AO-AGSM-OM54 5200232 MIKROE-2349 WCM.01.0111 MIKROE-2393 MIKROE-2352