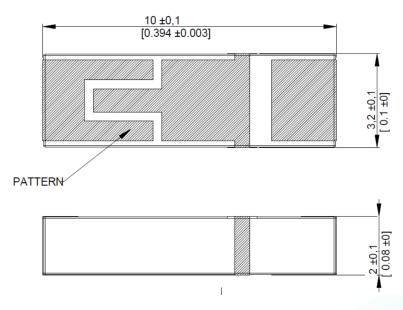


Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna





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

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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

Weight

Overall Length

Over all width

MSL Level

PART NUMBER: W3320

MECHANICAL SPECIFICATIONS
0.3 g
10[0.39] MM[INCHES]
3.2[0.12] MM[INCHES]

Over all thickness 2[0.08] MM[INCHES]

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40/+85° C

1

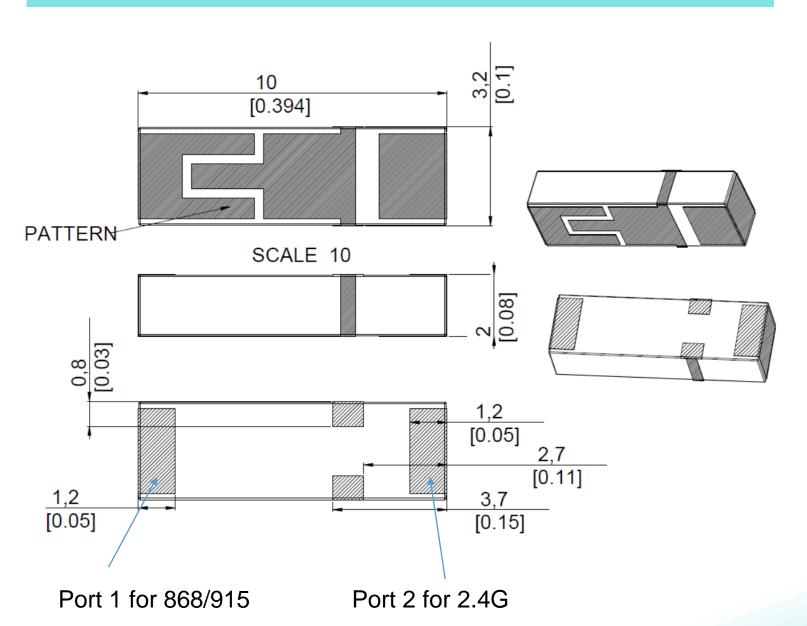


Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

MECHANICAL DRAWING





Description: ISM868/915, ISM2.4G

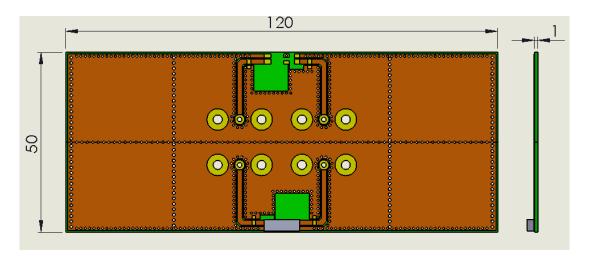
PART NUMBER: W3320

Series: Ceramic antenna

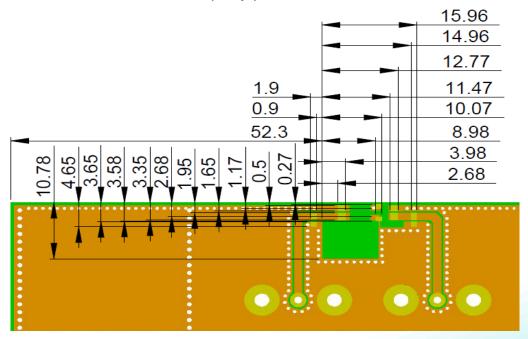
OTHER SPECIFICATIONS

PCB LAYOUT

1, PCB material, FR4, size, 120X50X1mm



2, Clearance area (Top)





Description: ISM868/915, ISM2.4G

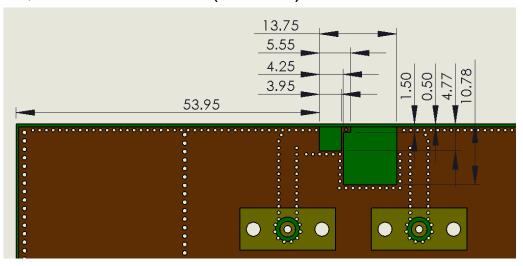
Series: Ceramic antenna

PART NUMBER: W3320

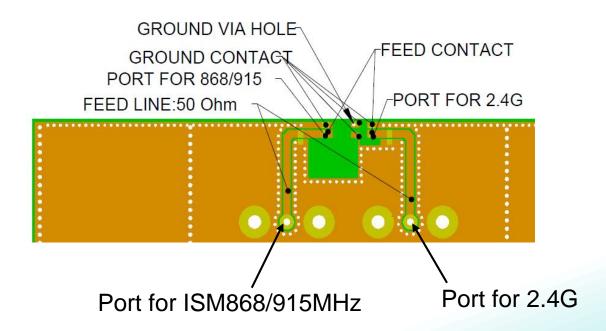
OTHER SPECIFICATIONS

PCB LAYOUT

3, Clearance area (Bottom)



4, PCB Features





Description: ISM868/915, ISM2.4G

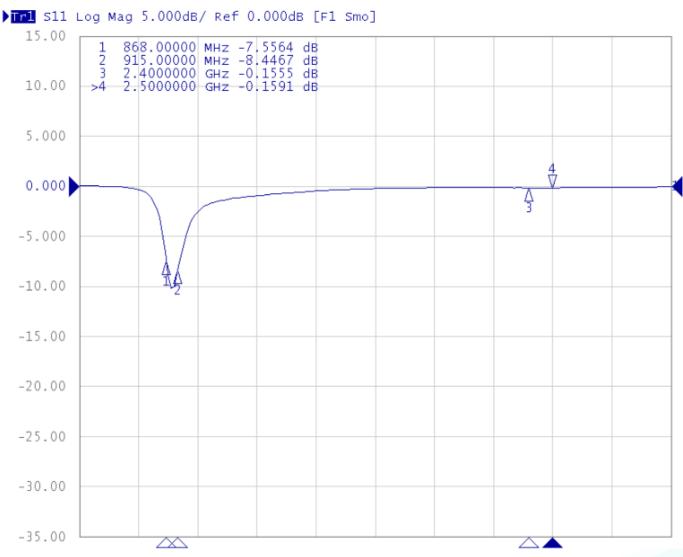
PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

Return Loss

ISM868/915MHz





TECHNICAL DATA SHEET

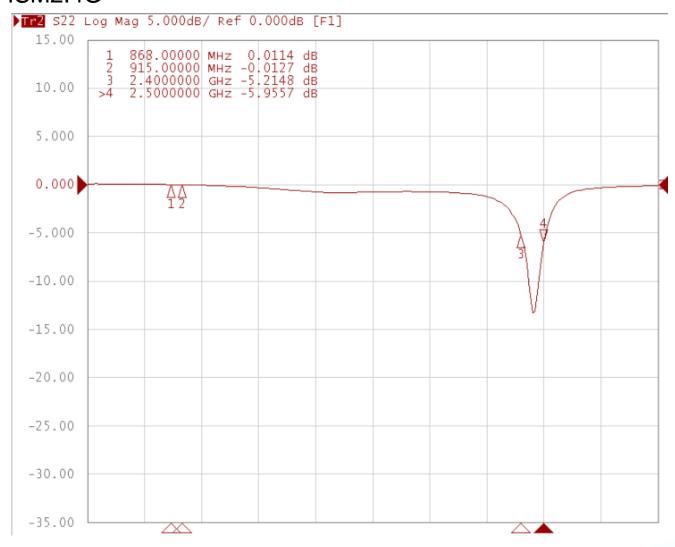
Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Return Loss

ISM2.4G







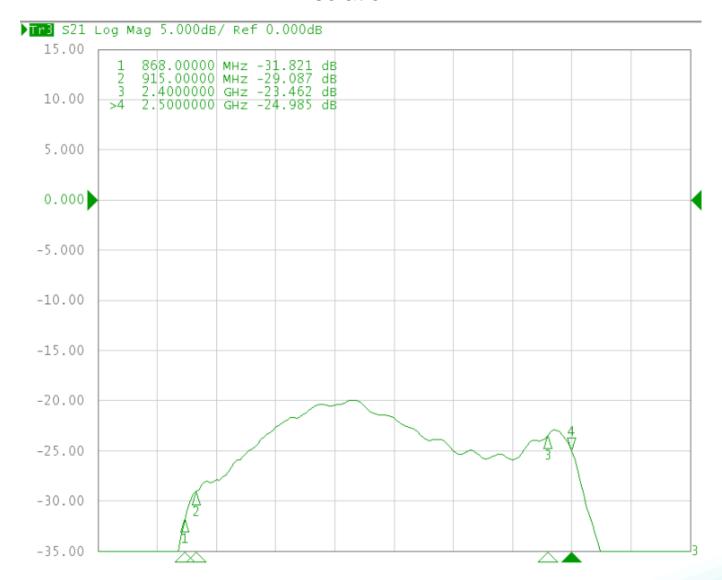
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

Isolation







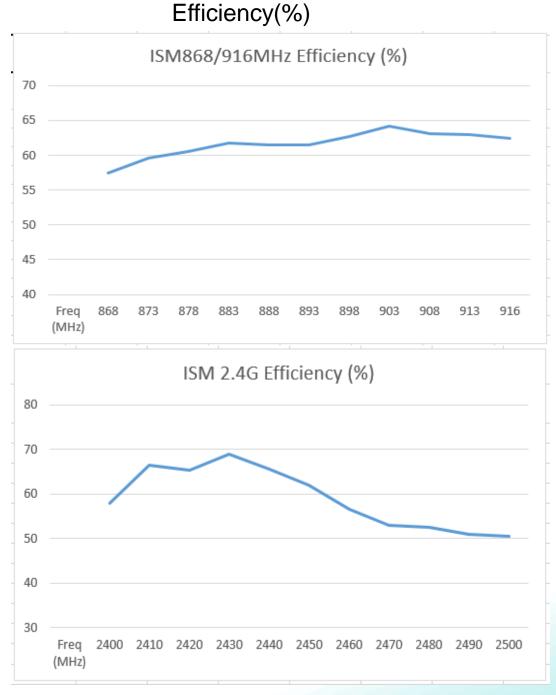
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

- ((: -: - - - . . / 0 /





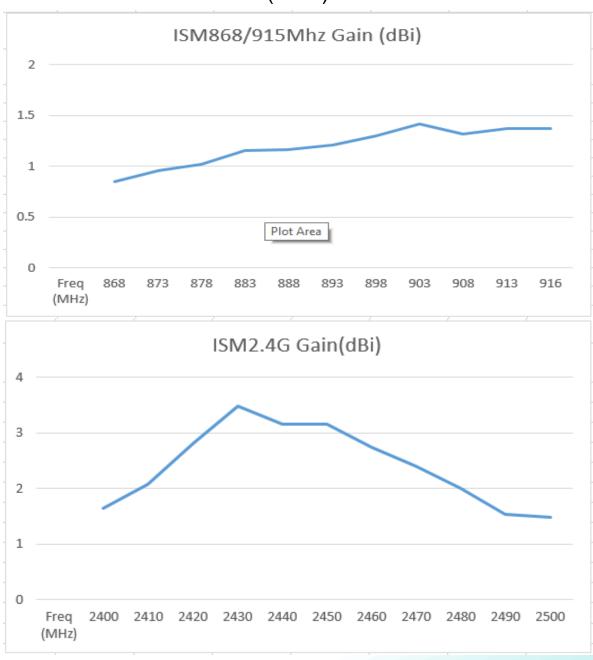
Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

CHARTS

Gain (dBi)









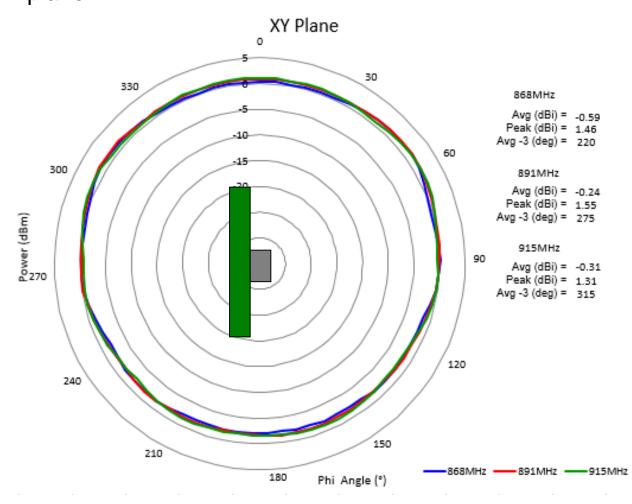
Description: ISM868/915, ISM2.4G

Series: Ceramic antenna

PART NUMBER: W3320

CHARTS

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





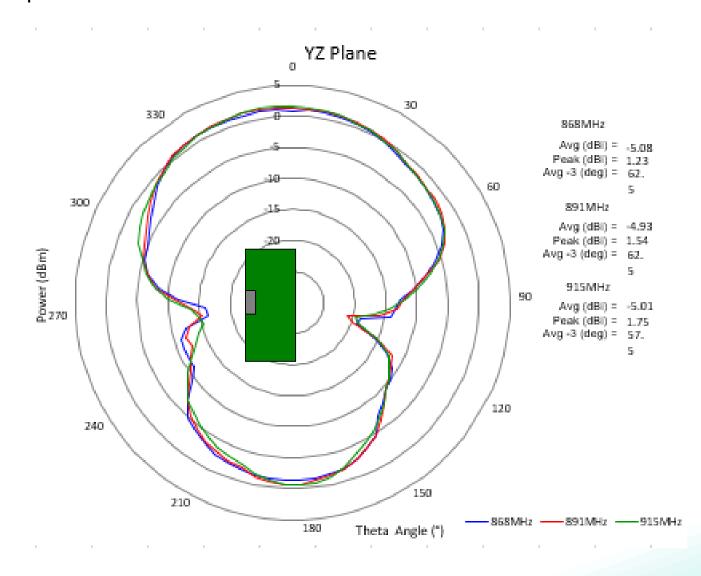
Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

ISM868/915MHz Y-Z plane





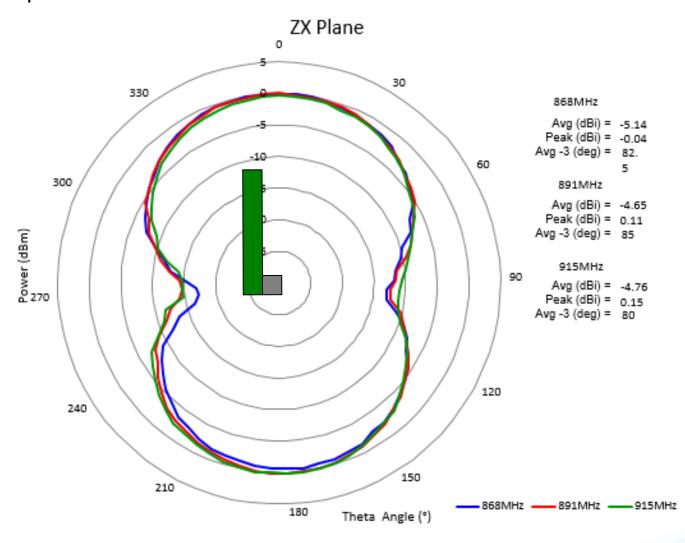
Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

ISM868/915MHz X-Z plane











a YAGEO company

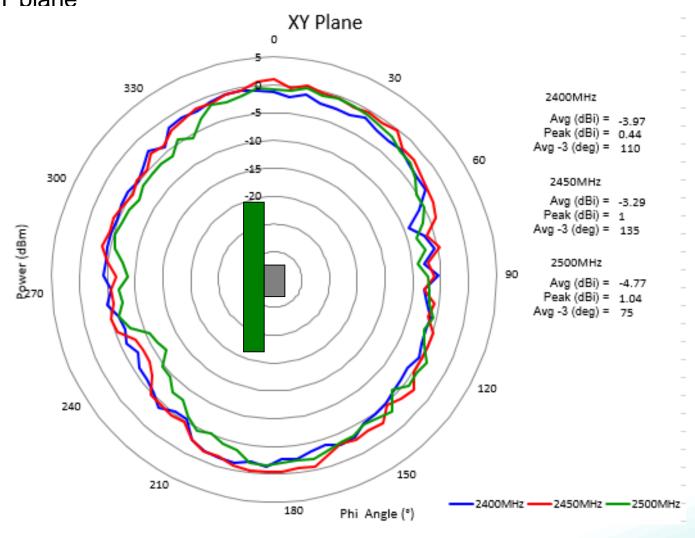
Series: Ceramic antenna

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

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





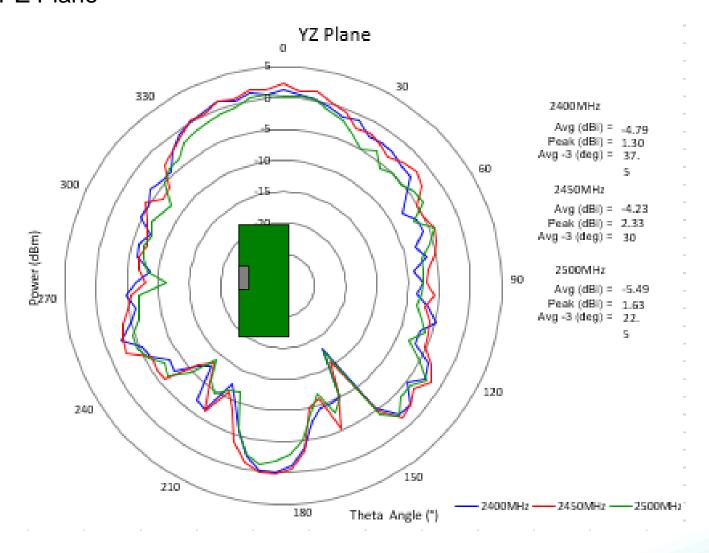
TECHNICAL DATA SHEET

Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

CHARTS

ISM 2.4GHz Y-Z Plane





Description: ISM868/915, ISM2.4G

PART NUMBER: W3320

Series: Ceramic antenna

CHARTS

ISM 2.4GHz X-Z Plane

