



# MEA-915-01-SMA

915 MHz ISM Connector Mount

Part #: 100-00159-01



## Description

The MEA-915-01-SMA is a high efficient screw-mount ISM band antenna operating at 915MHz. The antenna is also offered for 433 MHz, 868MHz & 915MHz applications. This antenna was designed for LoRa & Sigfox IOT applications in mind. The high efficiency and high gain design provide the antenna consistent and stable connectivity. The antenna housing consists of black UV resistant plastic, IP 56 rated housing, and a SMA male connector. The small size and high performance make this antenna an ideal solution for any ISM type of applications.

## Electrical Specifications

Parameter	Specification
Frequency Range	900 - 1000 MHz
Band	915 MHz
Peak Gain	3.3 dBi
Return Loss	-8.0 dB
V.S.W.R	≤ 3
Efficiency	75,2%
Polarization	Linear
Radiation Pattern	Omni-Directional
Impedance	50 Ω
Maximum Input Power	25W
Standards	ZigBee, ISM, SigFox, LoRa

## Features

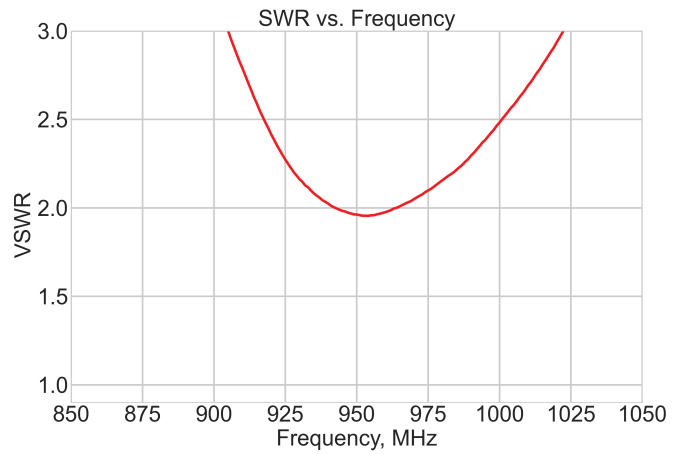
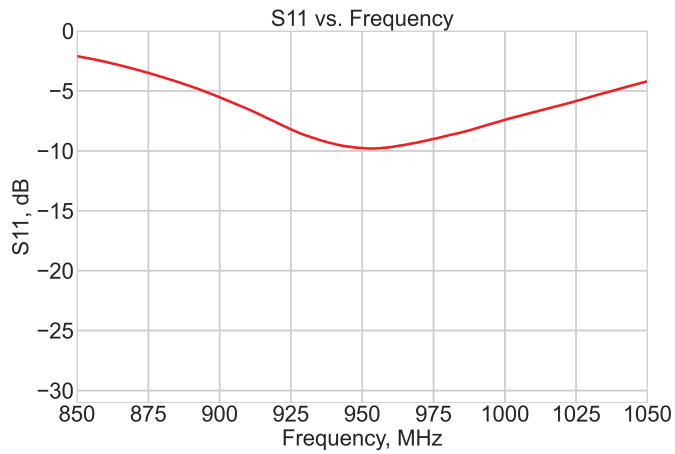
- Small Form Factor
- High Performance
- Frequency range 900 - 1000 MHz
- Antenna size D x H (9 x 48.0mm)
- RoHS Compliant
- Connector Type: SMA Male

## Mechanical Specifications

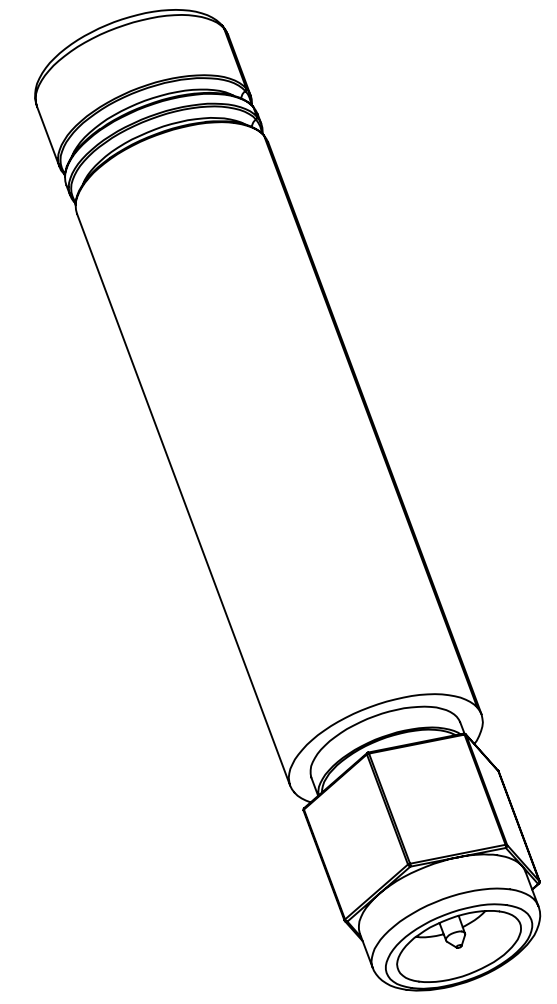
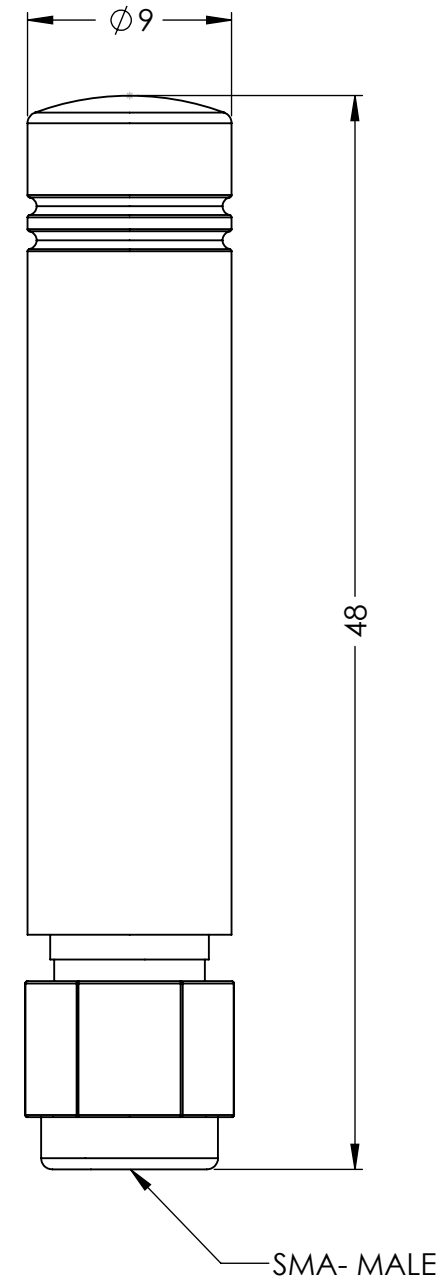
Parameter	Specification
Antenna Dimensions	Φ 9 x 48 mm
Weight	6 g
Operating Temperature	-40 °C to +85 °C
Connector	SMA Male
Radome Type	TPE
Ingress Protection	IP56
Mount Type	Connector Mount
Antenna Color	Black
ROHS Compliant	Yes

## Applications

- Public safety
- M2M applications
- Wireless applications
- Smart meters
- Mesh networks
- Transportation



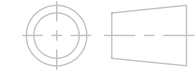
DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-12-28	QZ



NOTES:

1. FREQUENCY: 900-1000 MHZ
2. V.S.W.R: < 3
3. IMPEDONCE: 50 OHM
4. POLARIZATION: LINEAR
5. RADIATION: OMNI
6. CONNECTOR: SMA-MALE
7. TEMPERATURE: -45°C-85°C
8. INGRESS PROTECTION: IP56

ITEM 100-00159-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-12-28	QZ

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM	DRAWN	QZ 2020-12-28
TOLERANCES:	CHECKED	PL 2021-05-21
FRACTIONAL ±	ENG APPR.	NPC 2021-05-27
ANGULAR: MACH ± .5° BEND ±	MFG APPR.	
INTEGER ± 2	Q.A.	
ONE PLACE DECIMAL ± 1.0		
TWO PLACE DECIMAL ± .50		
INTERPRET GEOMETRIC TOLERANCING PER:		
	CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.	
THIRD ANGLE PROJECTION		
DO NOT SCALE DRAWING		

MAXTENA, INC		
TITLE: 100-00159-01 MEA-915-01-SMA		
SIZE	DWG. NO.	REV
<b>B</b>	<b>117-00408-01</b>	<b>A</b>
CAGE CODE: 5KQH7	SCALE: NONE	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL  
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAXTENA, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAXTENA, INC IS PROHIBITED.