



# 868 & 915 MHz ISM Band Antenna

**PN: L001095-01**

L001095-01 ISM antennas are ideal for low-power, wide-area (LPWA) applications such as LoRaWAN®, Sigfox® and Wi-Fi HaLow™ as well as other sub-1 GHz unlicensed spectrum applications.

They offer high performance in a compact and rugged housing with a direct to device SMA Male connector for ease of installation.

## Features

- 868 MHz & 915 MHz single band antenna
- External chassis mounting antenna
- RoHS compliant
- Best performance on 90 x 150mm ground plane length

## Applications

- ISM
- LPWA / LPWAN
- LoRaWAN
- Wi-Fi HaLow

## Specifications

ELECTRICAL	
Part Number	L001095-01
Frequency Range (MHz)	863-920
VSWR	< 1.9:1
Efficiency	67%
Average Gain	-1.7dBi
Peak Gain	1.2dBi
Power Handling (Max)	10 Watt
Feed Point Impedance	50Ω Unbalanced
Polarization	Linear

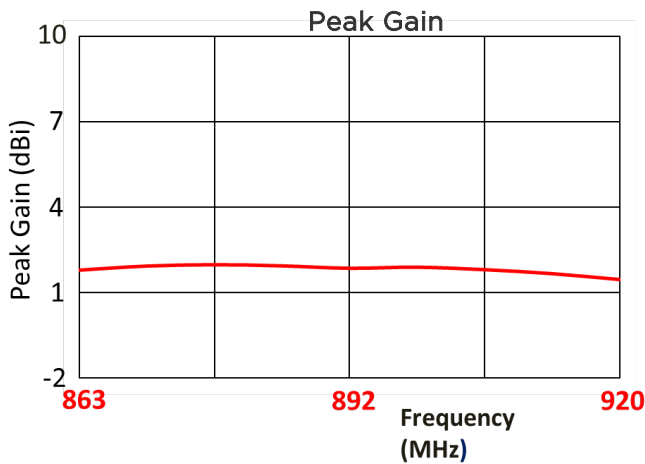
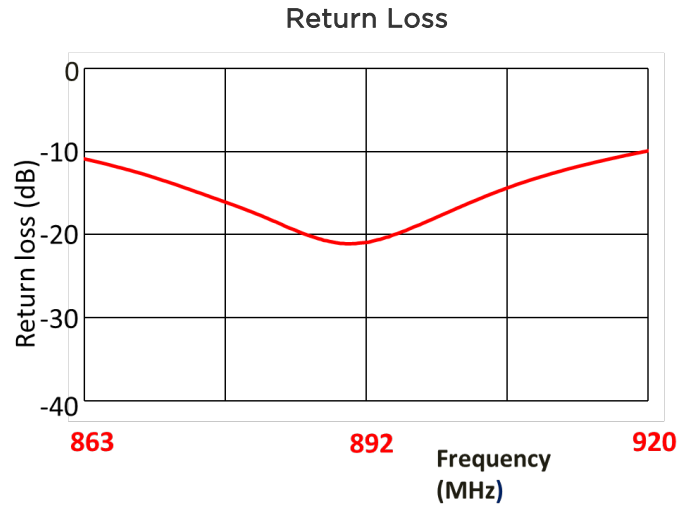
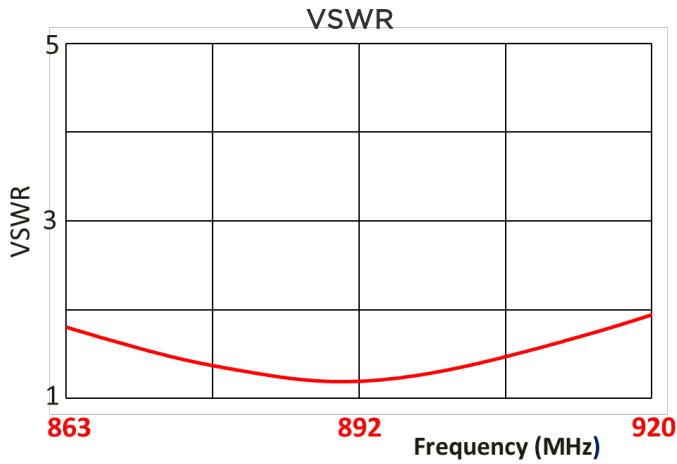
## MECHANICAL

Size - mm (in.)	48 x $\varnothing$ 8.0 (1.89 x $\varnothing$ 0.31)
Weight - g (oz.)	2.9 (0.01)
Mounting	SMA Male (MIL-STD-348B)

## ENVIRONMENTAL

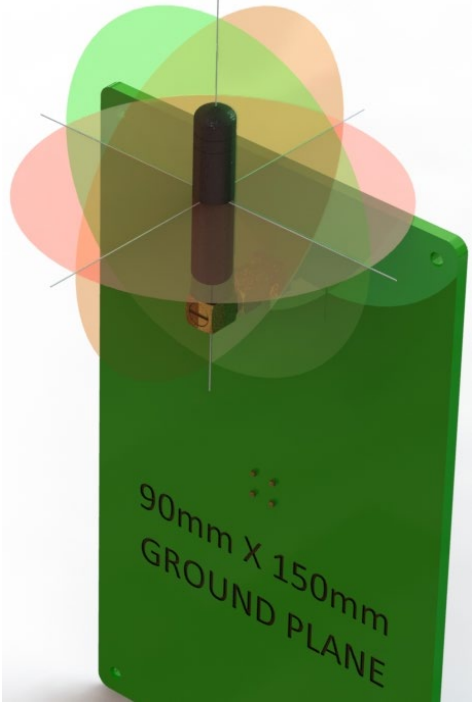
Operating Temperature	-40 to +85°C (-40 to 185°F)
Storage Temperature	-40 to +85°C (-40 to 185°F)
Salt Spray	48 hours tested without failure
Hazardous Materials	Certificate of conformance available on TE.com product page

## RF Performance

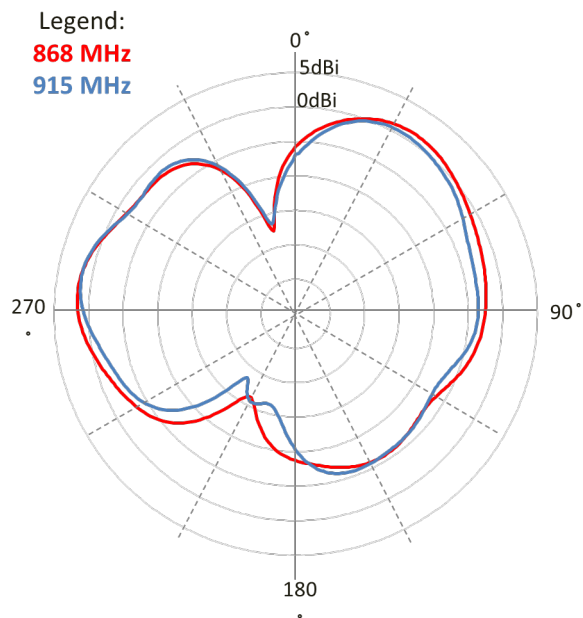
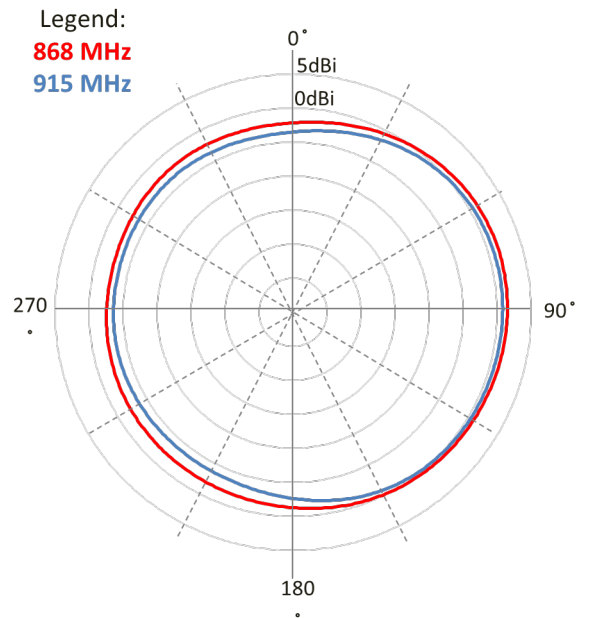


## Radiation Patterns

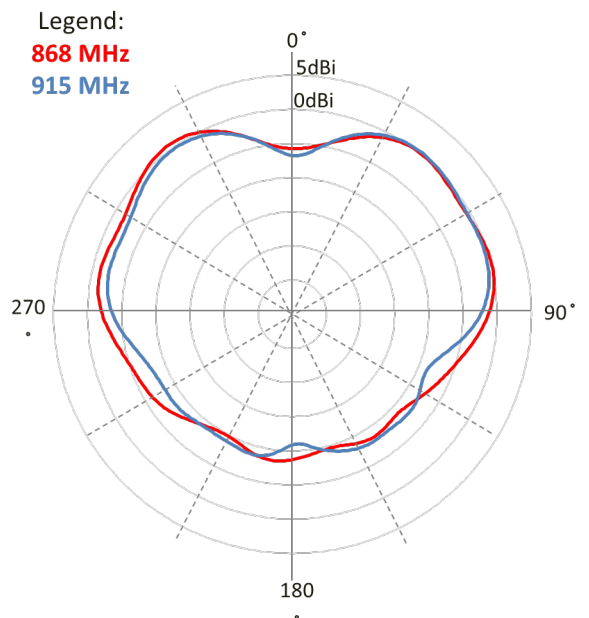
### Test Setup



### Azimuth



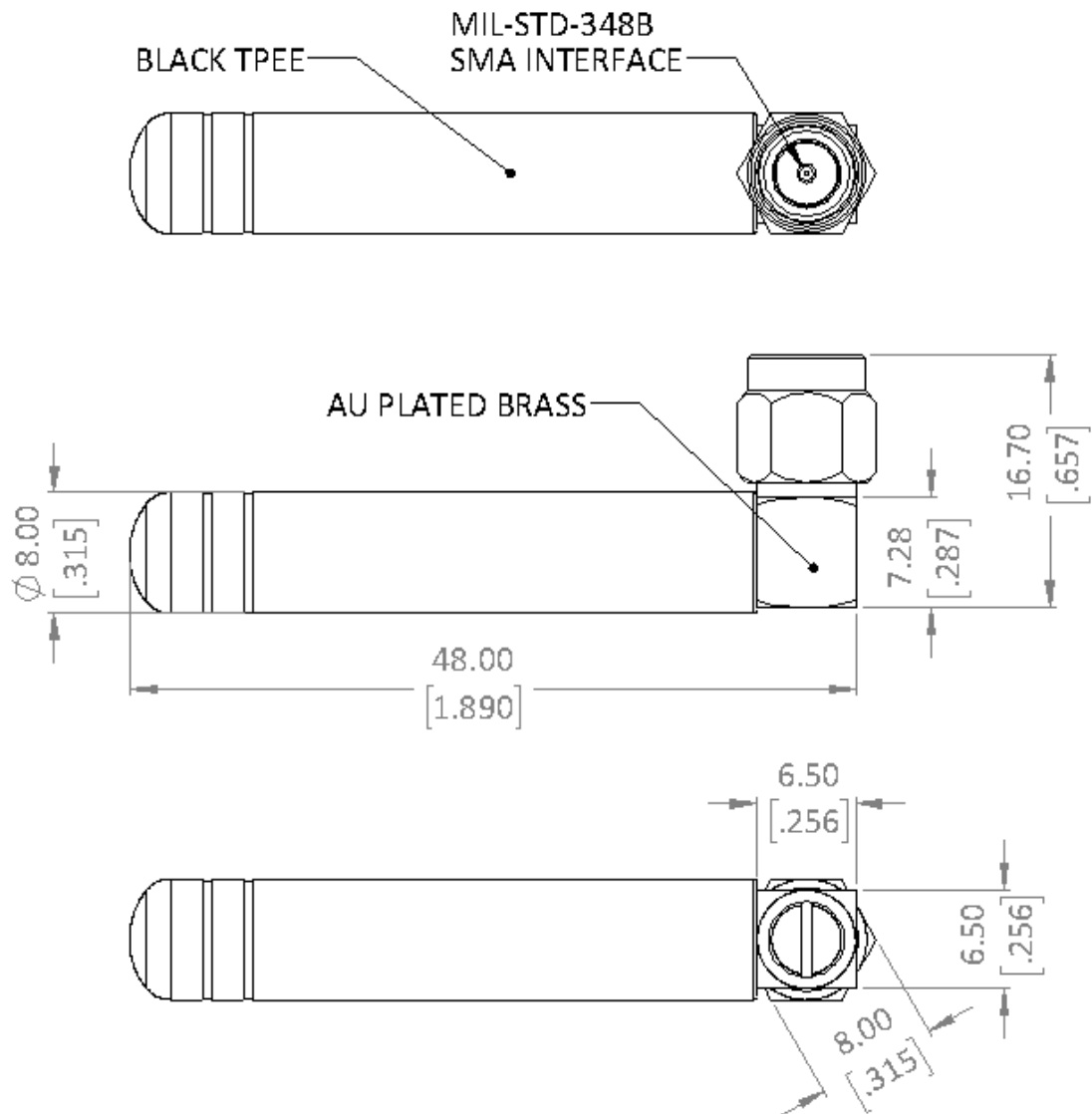
### Elevation Y,Z



### Elevation X,Z

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## Mechanical Drawings



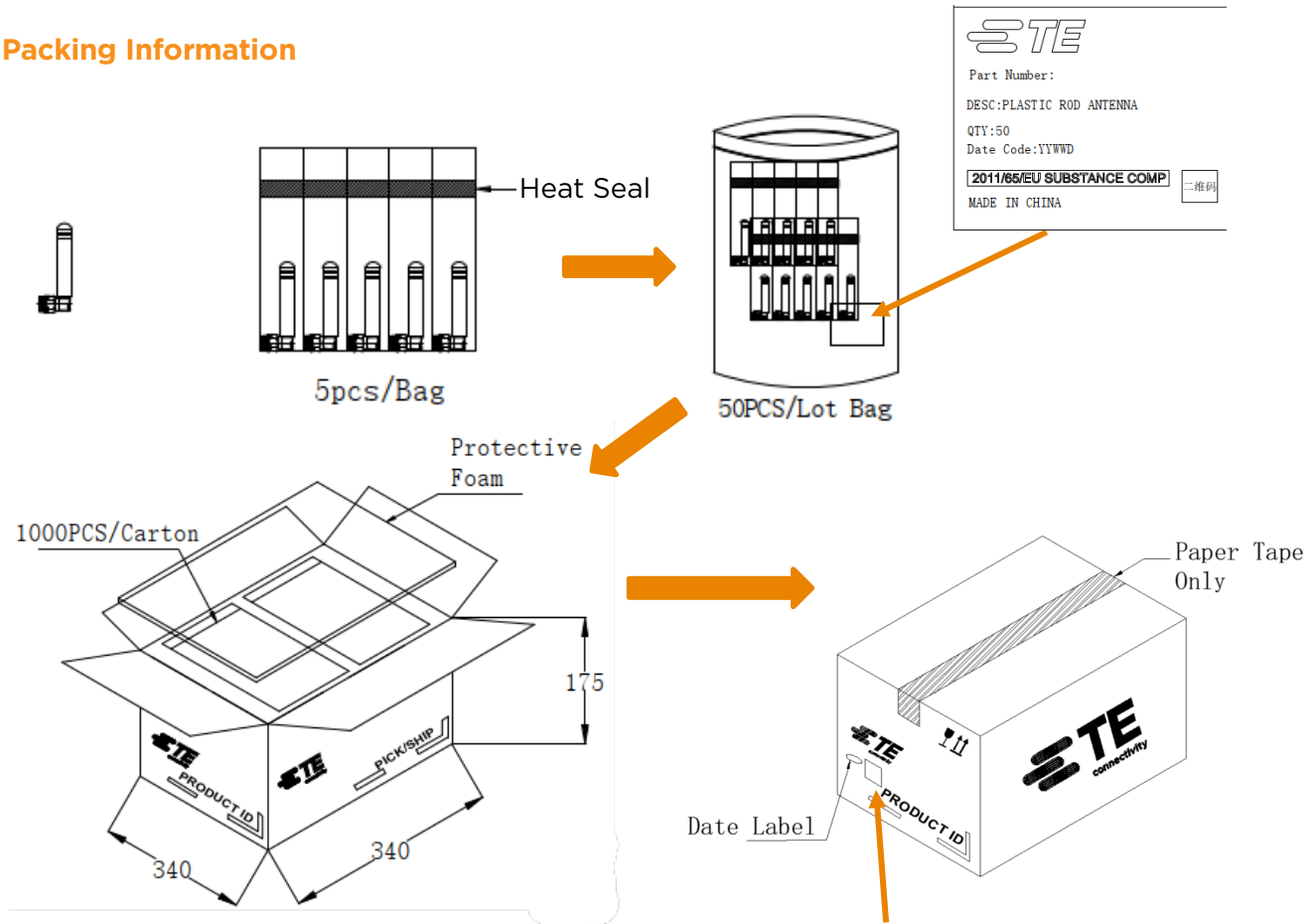
### INTERFACE:

- SMA TYPE IAW MIL-STD-348B
- INTERCONNECT CYCLE 500 MINIMUM

### ENVIRONMENTAL:

- 48hr SALT SPRAY TESTED WITHOUT FAILURE

## Packing Information



### TE TECHNICAL SUPPORT CENTER

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