



# 868 & 915 MHz ISM Band Antenna

**PN: L001035-01**

L0010305-01 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

- 868MHz & 915MHz single band antenna
- External chassis mounting antenna
- RoHS compliant
- Best performance on 90mmx150mm ground plane length

## APPLICATIONS

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

## Specifications

ELECTRICAL	
Part Number	L001035-01
Frequency Range (MHz)	863-920
VSWR	< 1.9:1
Efficiency	67%
Average Gain	-1.7dBi
Peak Gain	1.2dBi
Power Handling	10 Watt
Feed Point Impedance	50Ω
Polarization	Linear
Size	863-920

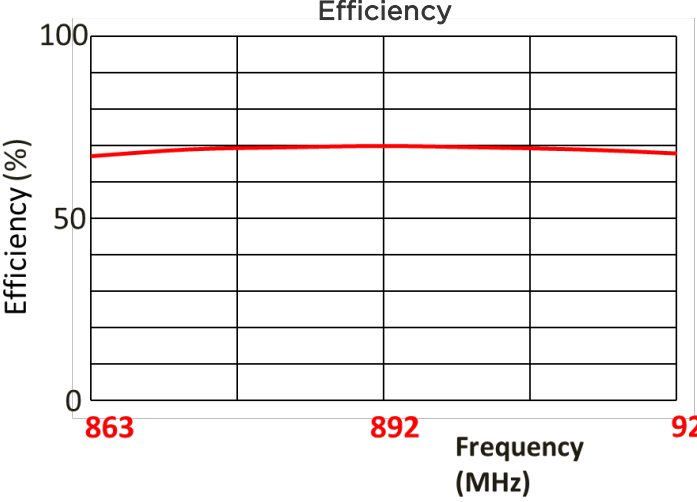
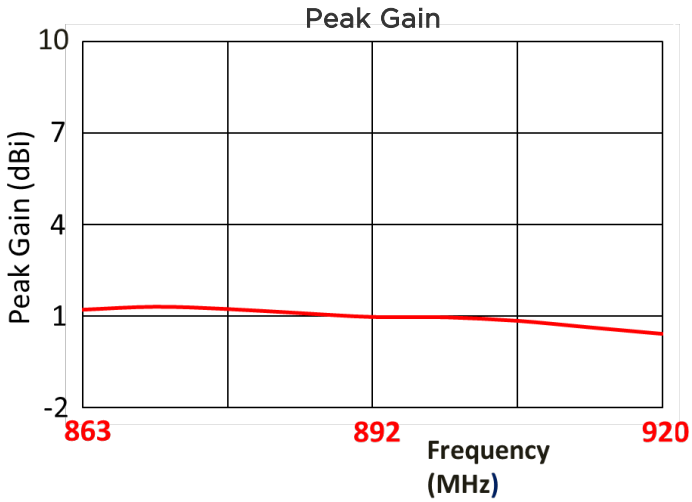
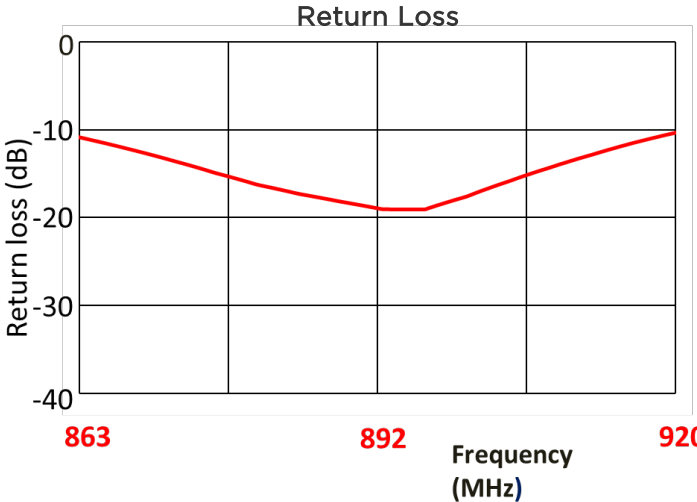
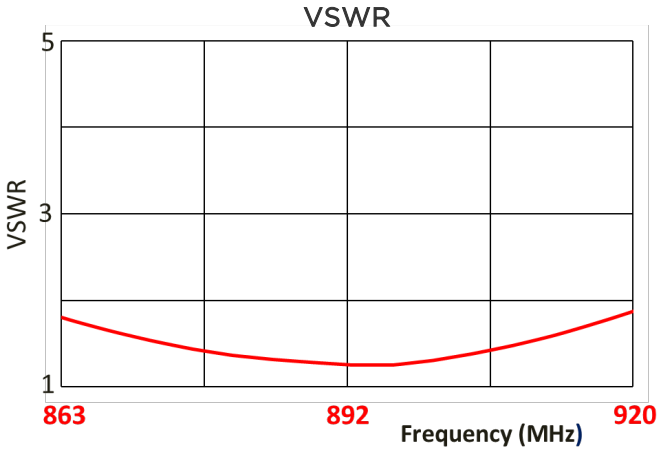
## MECHANICAL

Size - mm (in.)	50.5 x $\varnothing$ 8.0 (1.99 x $\varnothing$ 0.31)
Weight - g (lbs.)	5.8 (0.01)
Mounting	SMA Male (MIL-STD-348B)

## ENVIRONMENTAL

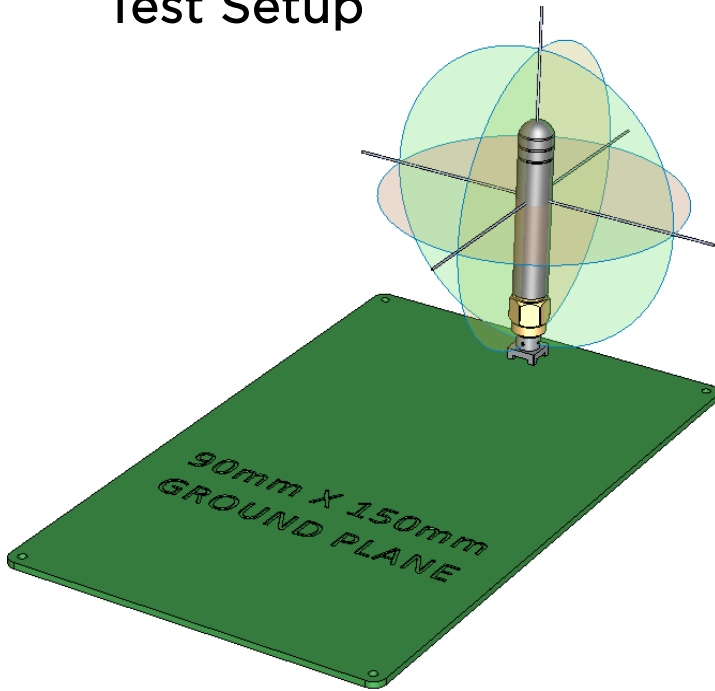
Operating Temperature	-30 to +75°C
Storage Temperature	-30 to +75°C
Salt Spray	48 hour tested without failure
Hazardous Materials	Certificate of conformance available on TE.com product page

### RF Performance

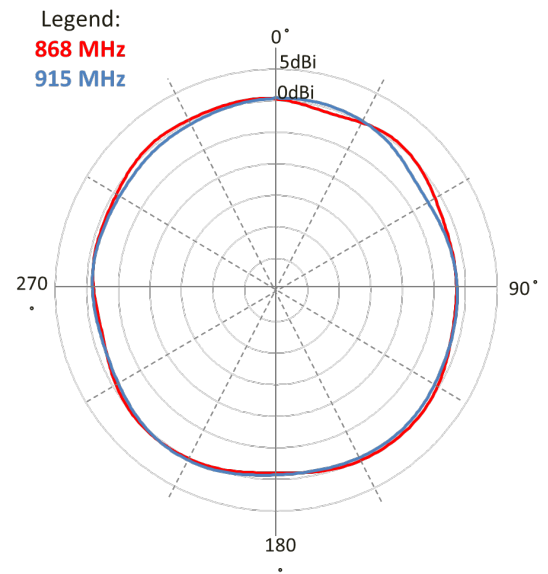


## Radiation Patterns

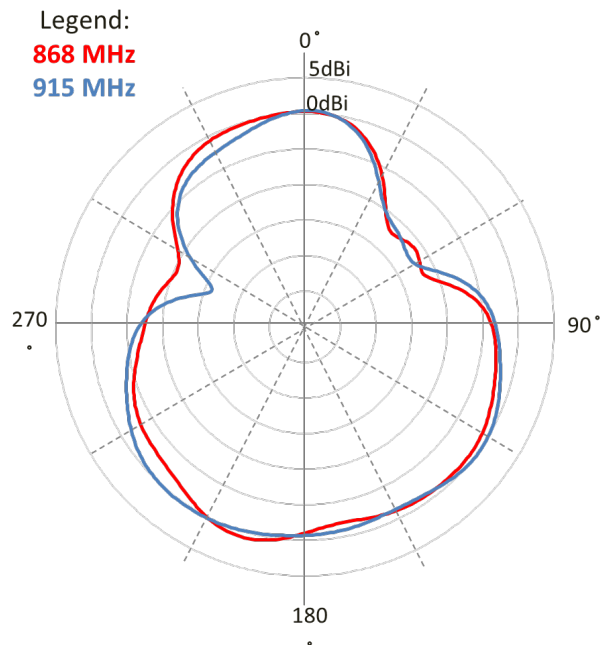
### Test Setup



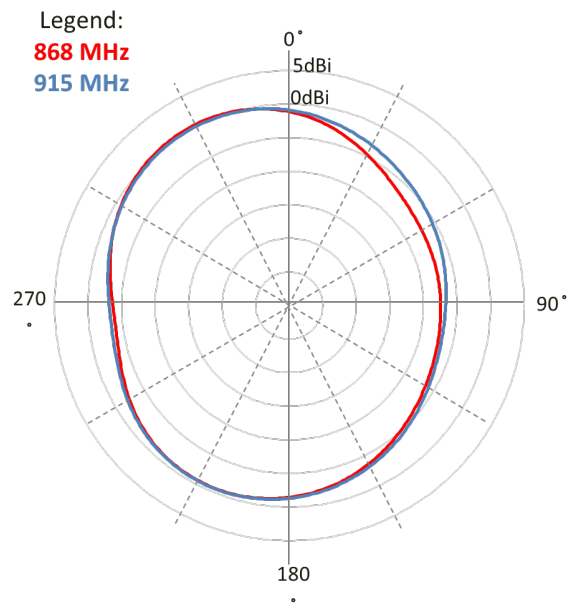
### Azimuth



### Elevation Y,Z

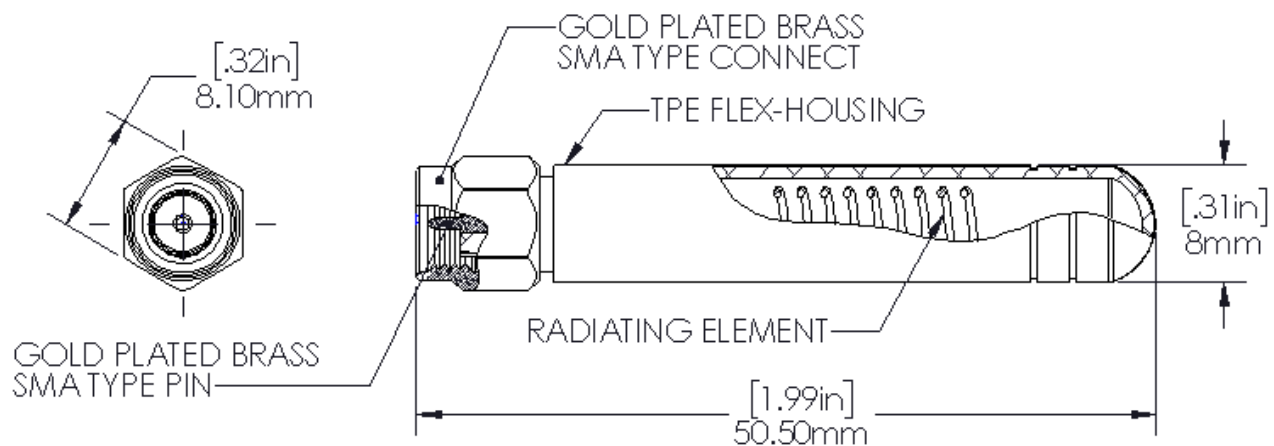


### Elevation X,Z



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## Mechanical Drawings



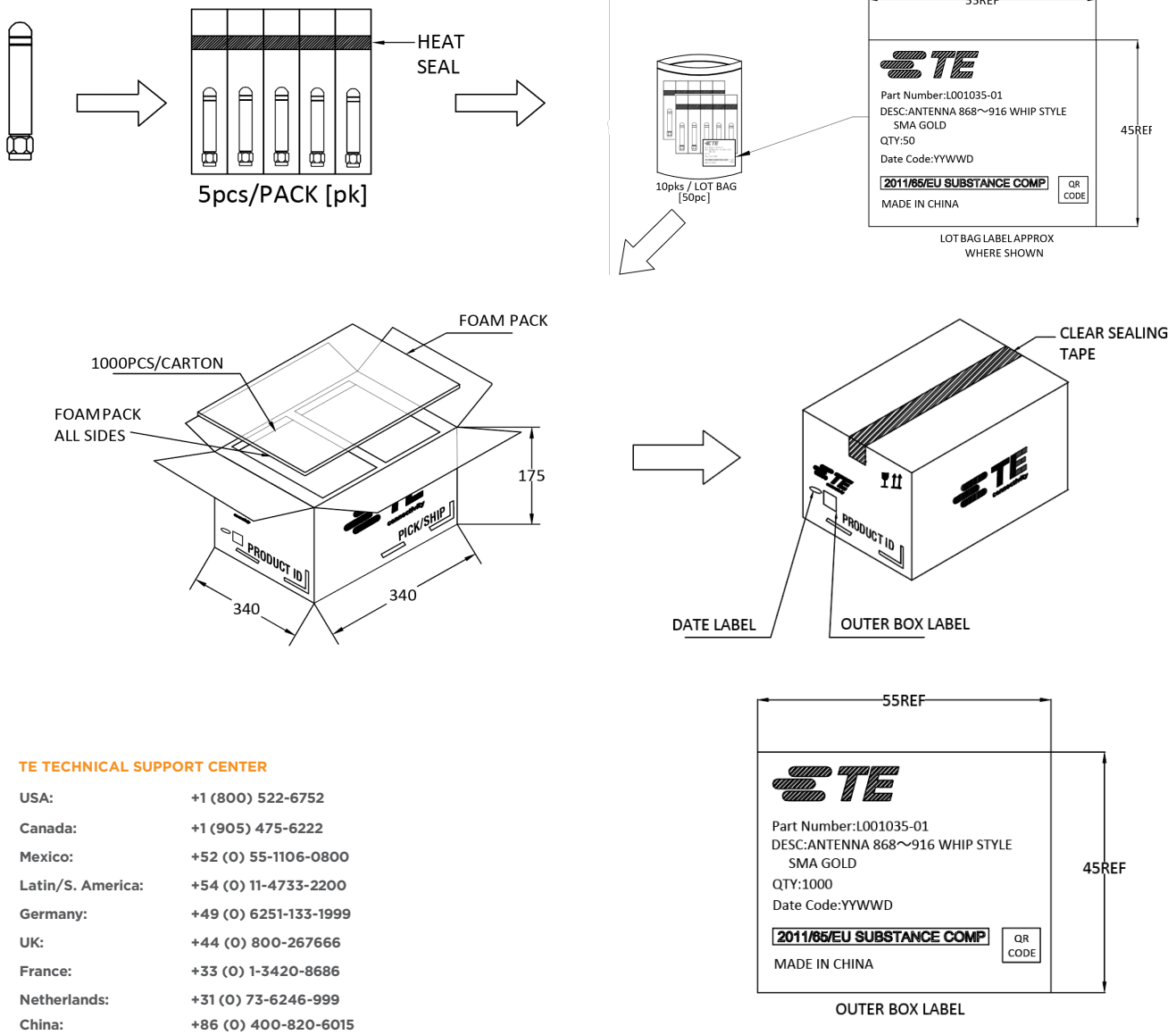
### INTERFACE:

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

### ENVIRONMENTAL:

- 48hr SALT SPRAY TESTED WITHOUT FAILURE

## PACKING INFORMATION



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