



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

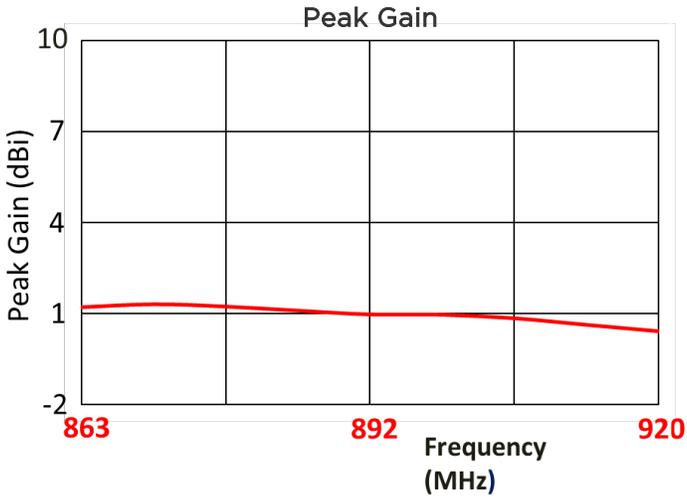
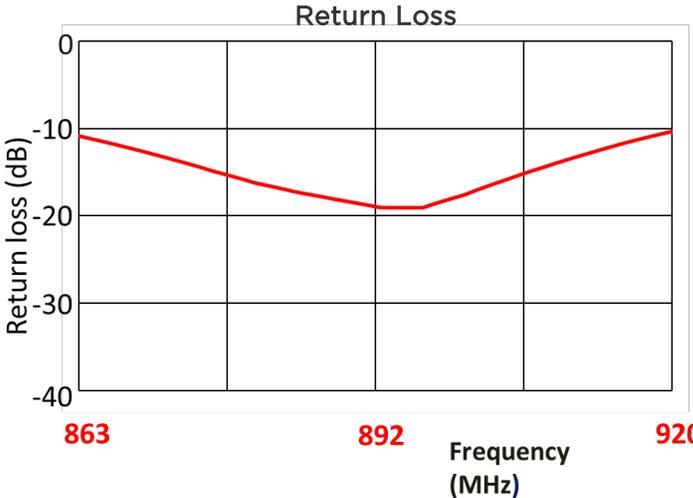
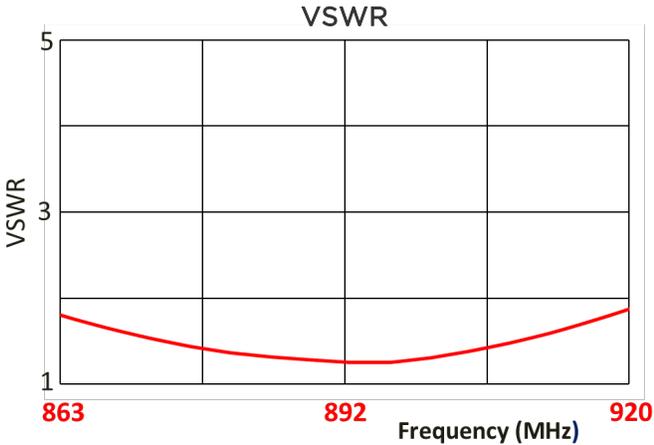
MECHANICAL

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

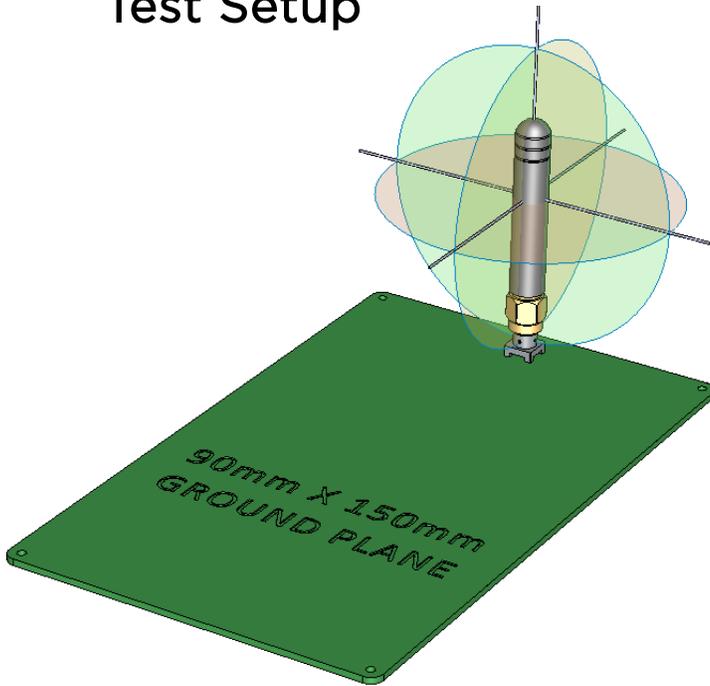
Operating Temperature	-30 to +75°C
Storage Temperature	-30 to +75°C
Salt Spray	48 hour tested without failure
Hazardous Materials	Certificate of conformance available on TE.com product page

RF Performance

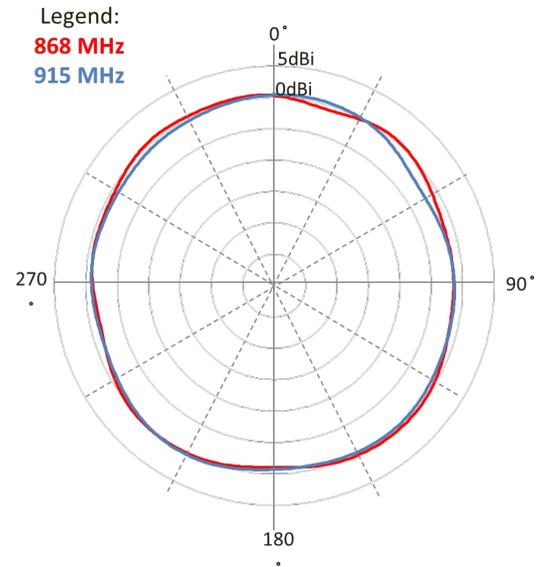


Radiation Patterns

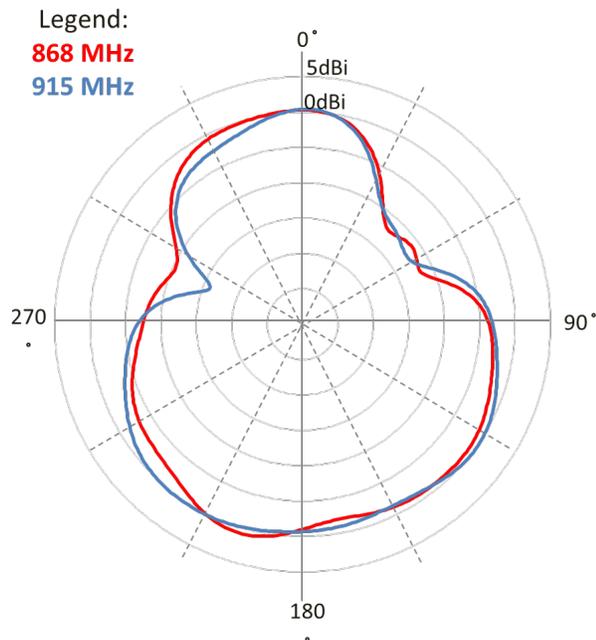
Test Setup



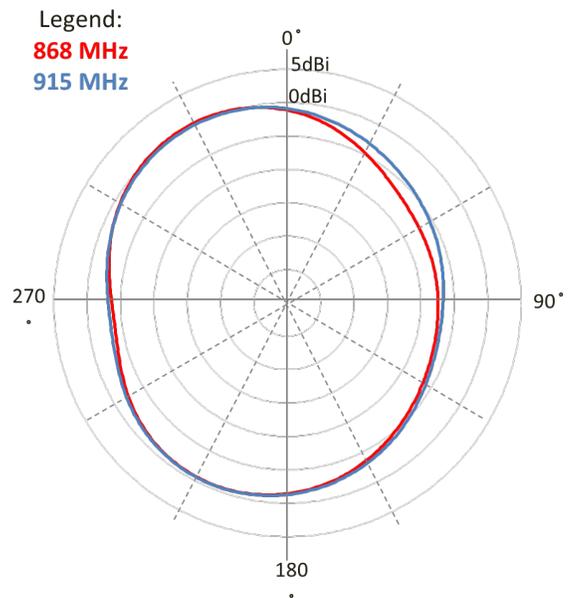
Azimuth



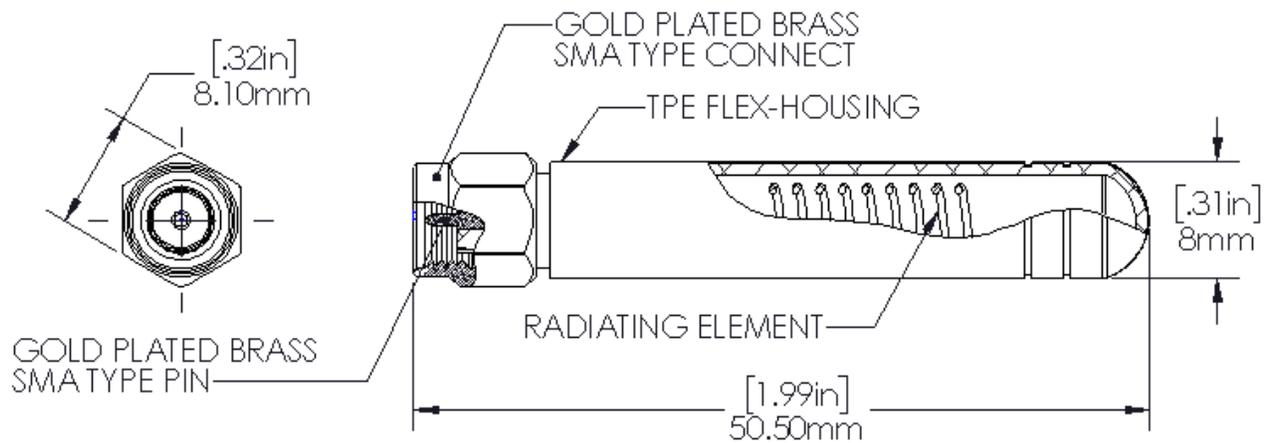
Elevation Y,Z



Elevation X,Z



Mechanical Drawings



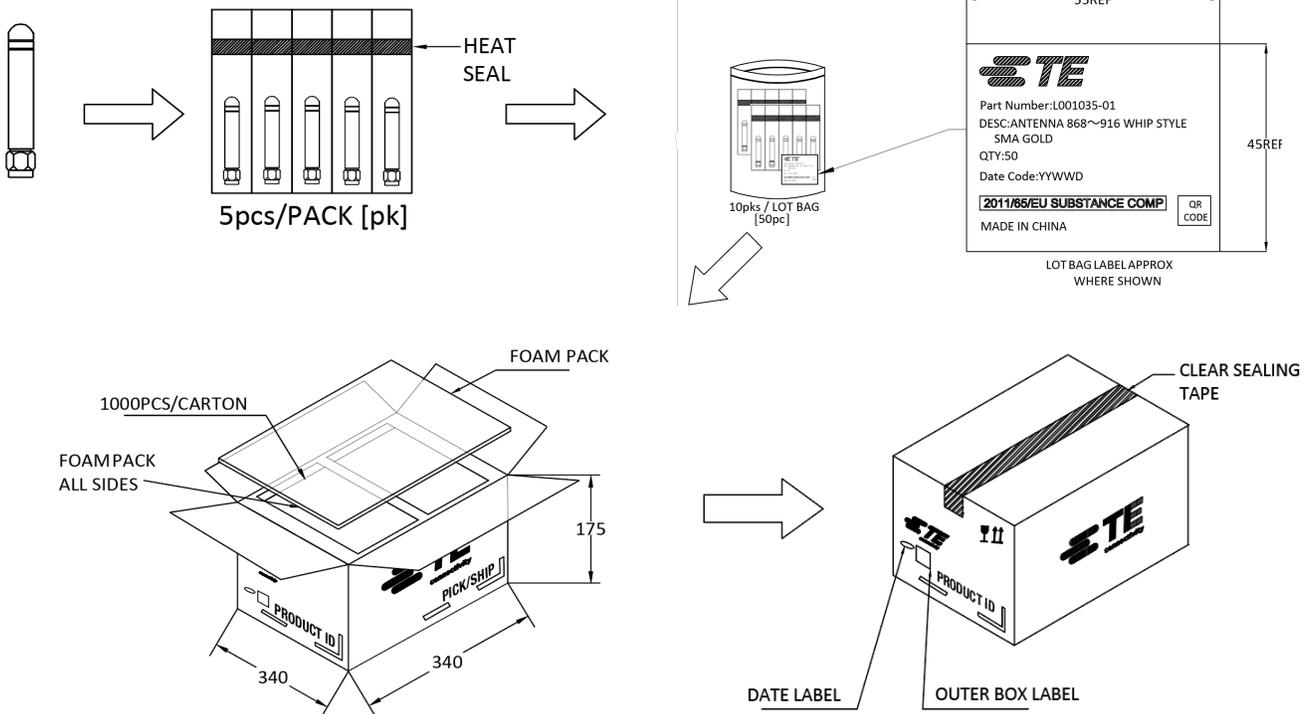
INTERFACE:

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

ENVIRONMENTAL:

- 48hr SALT SPRAY TESTED WITHOUT FAILURE

PACKING INFORMATION



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