



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

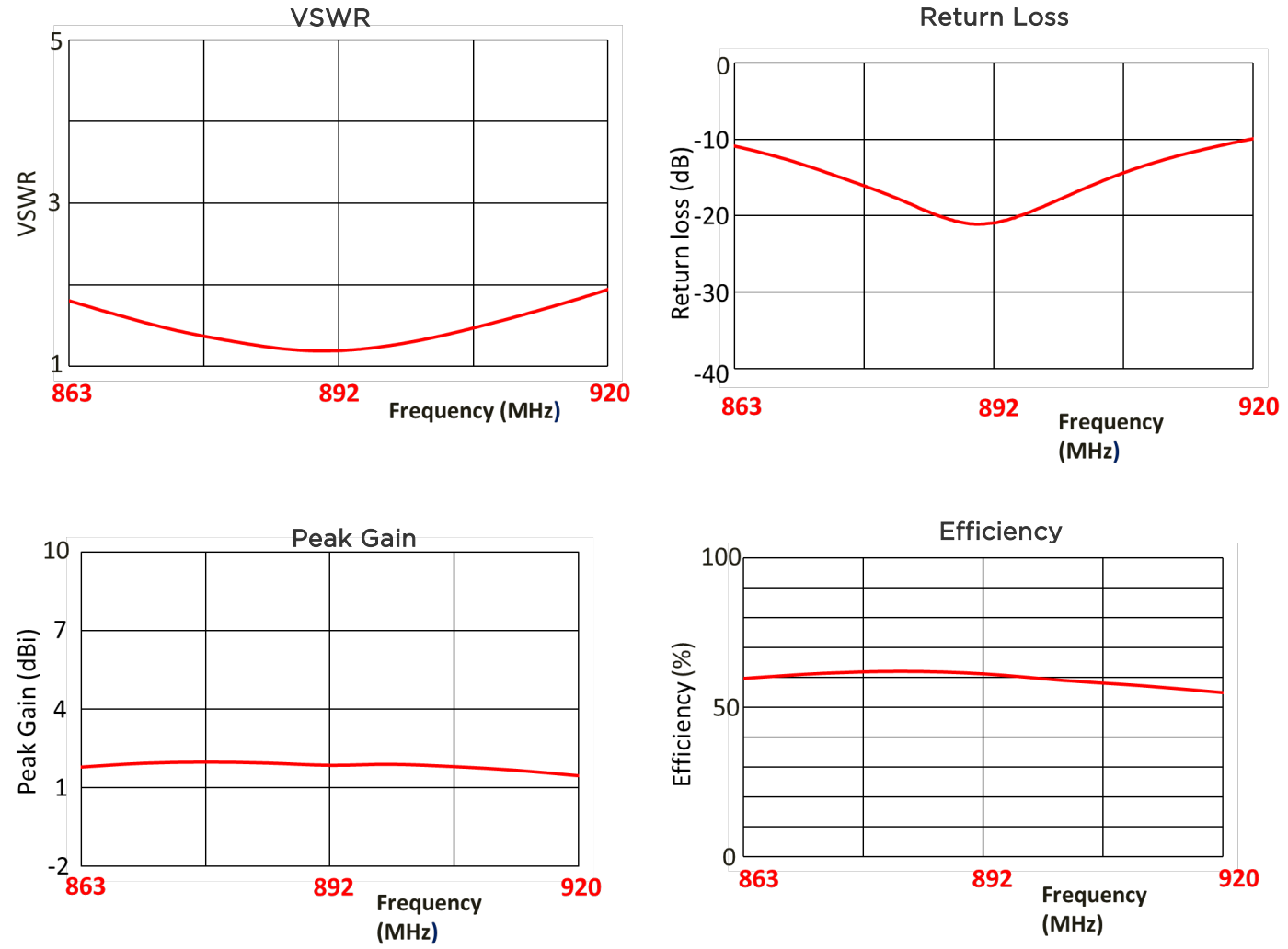
Specifications

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 ø 8.0 (1.89 x ø 0.31)
Weight - g (oz.)	2.9 (0.01)
Mounting	SMA Male (MIL-STD-348B)

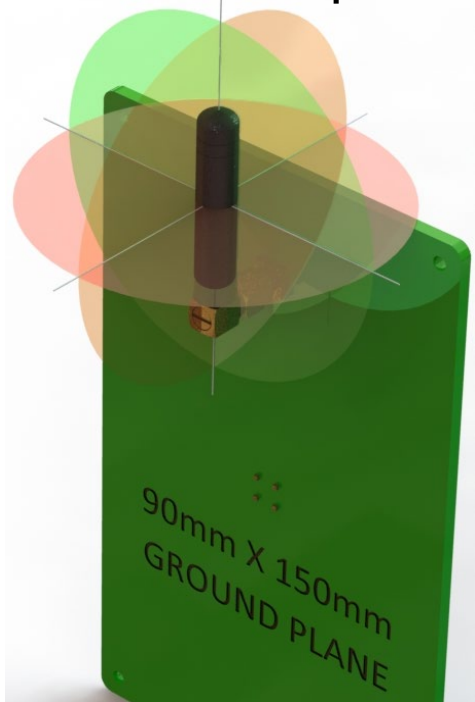
ENVIRONMENTAL	
Operating Temperature	-40 to +85°C (-40 to 185°F)
Storage Temperature	-40 to +85°C (-40 to 185°F)
Salt Spray	48 hours tested without failure
Hazardous Materials	Certificate of conformance available on TE.com product page

RF Performance

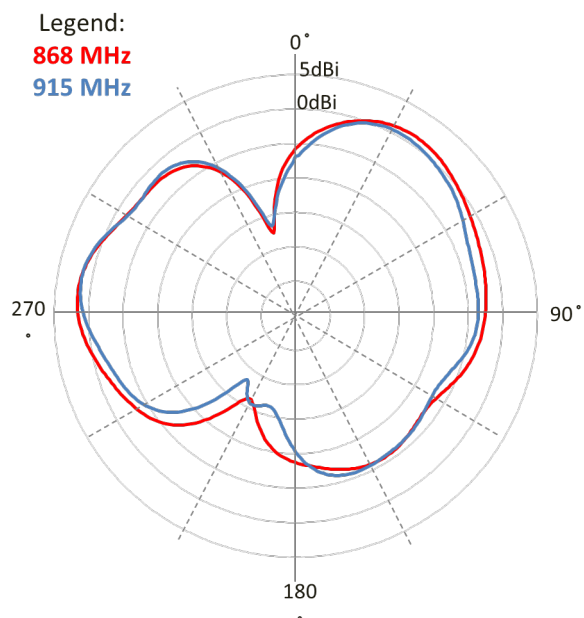
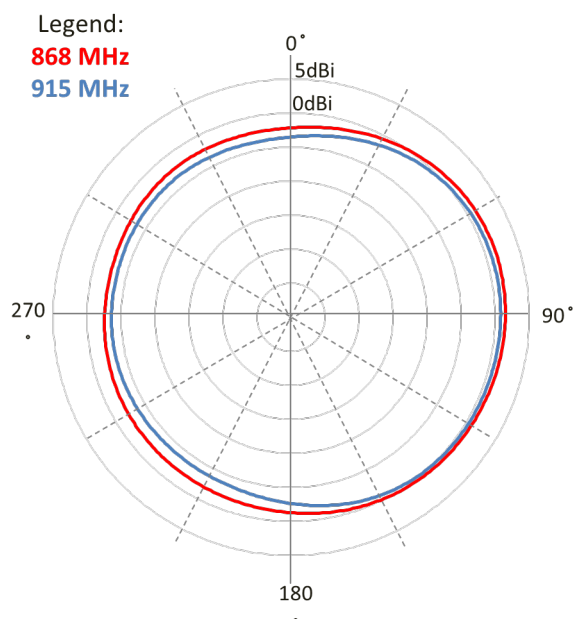


Radiation Patterns

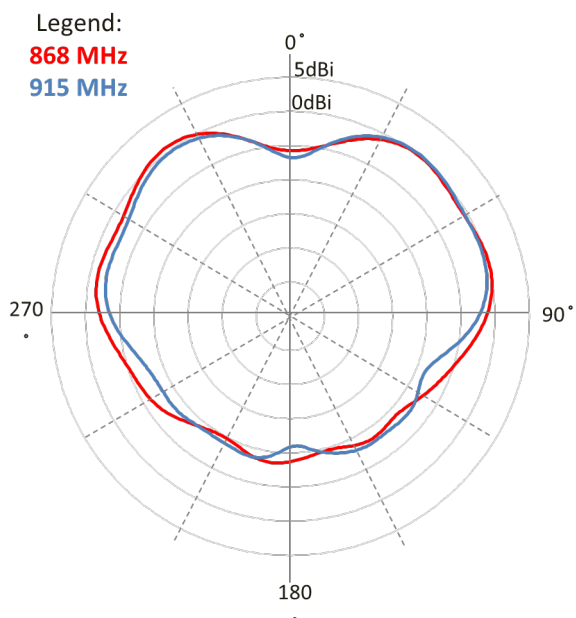
Test Setup



Azimuth

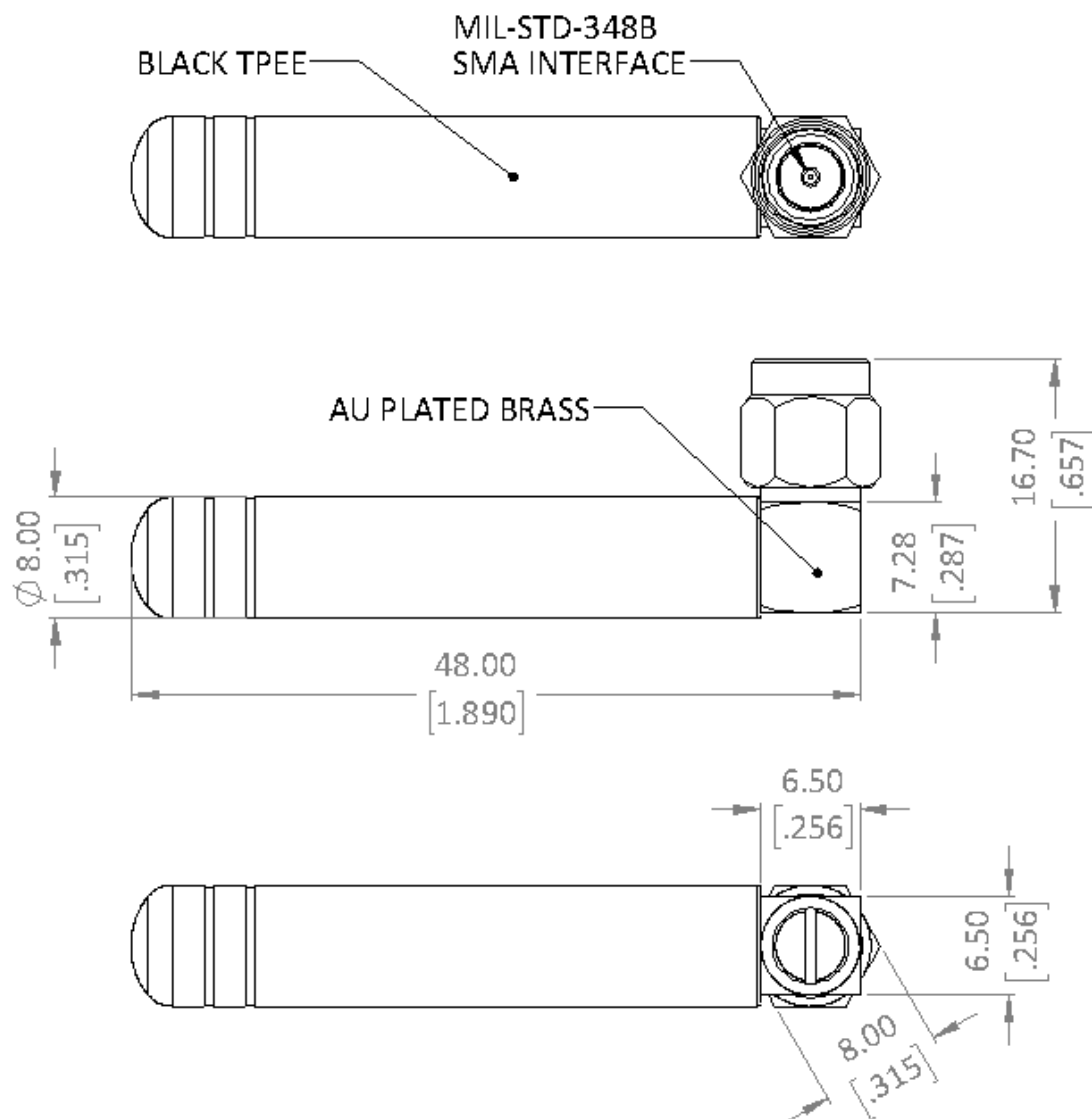


Elevation Y,Z



Elevation X,Z

Mechanical Drawings



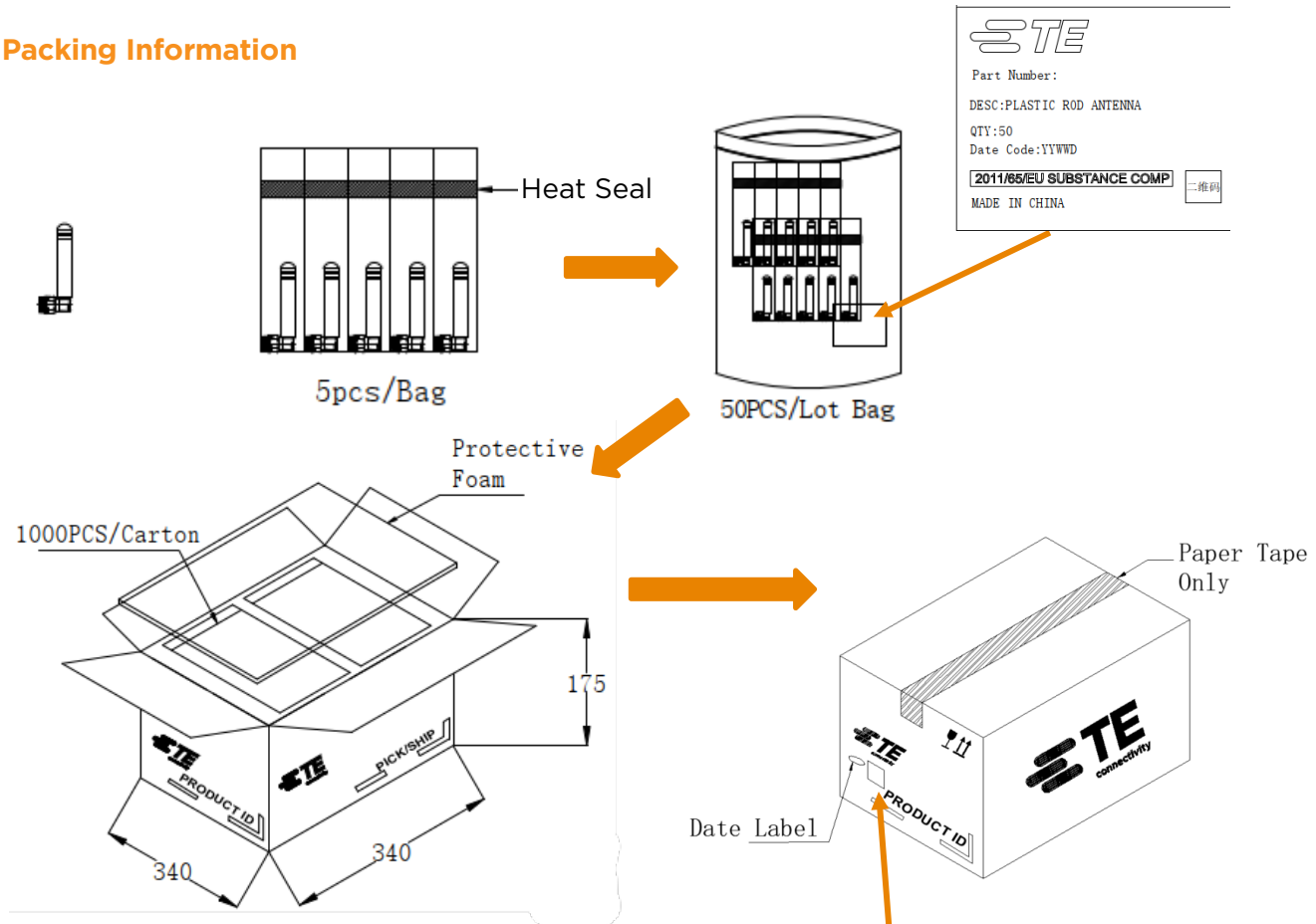
INTERFACE:

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

ENVIRONMENTAL:

- 48hr SALT SPRAY TESTED WITHOUT FAILURE

Packing Information



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