

# LPWA/ISM External Antenna



AEACAC195013-S868



195.0 x Ø12.9 mm  
RoHS/RoHS II Compliant  
MSL = 1

## Features

- 868 MHz LPWA/ISM antenna
- Linear polarization
- Gain of 3 dBi
- VSWR < 2.5

## Applications

- LPWA/LoRa/SigFox applications
- ISM applications
- IoT
- M2M
- Remote technology/monitoring
- Network devices
- Smart buildings
- Smart city
- Agriculture/environment
- Consumer tracking

## Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency		868		MHz	
VSWR			2.5		
Polarization	Linear				
Impedance		50		$\Omega$	
Gain		3		dBi	

## Mechanical Characteristics

Parameters	Description
Mounting	Connector
Connector	SMA Male

## Environmental Characteristics

Parameters	Description
Operating temperature	-40°C to +85°C
Vibration	10 to 55 Hz with 1.5 mm amplitude 2 hours

# LPWA/ISM External Antenna

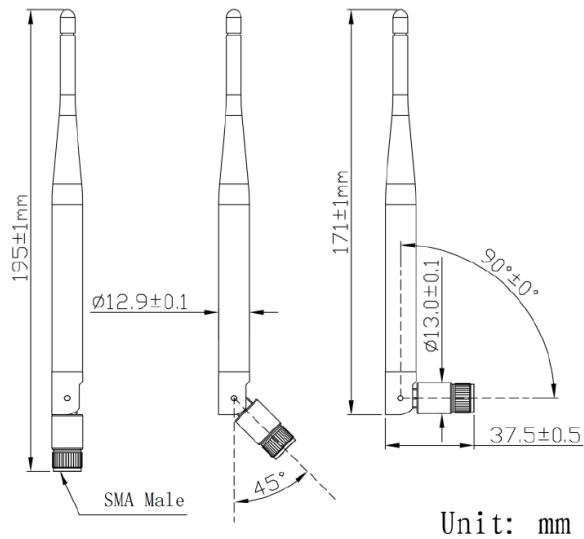


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## Dimensions



## Product Image



# LPWA/ISM External Antenna

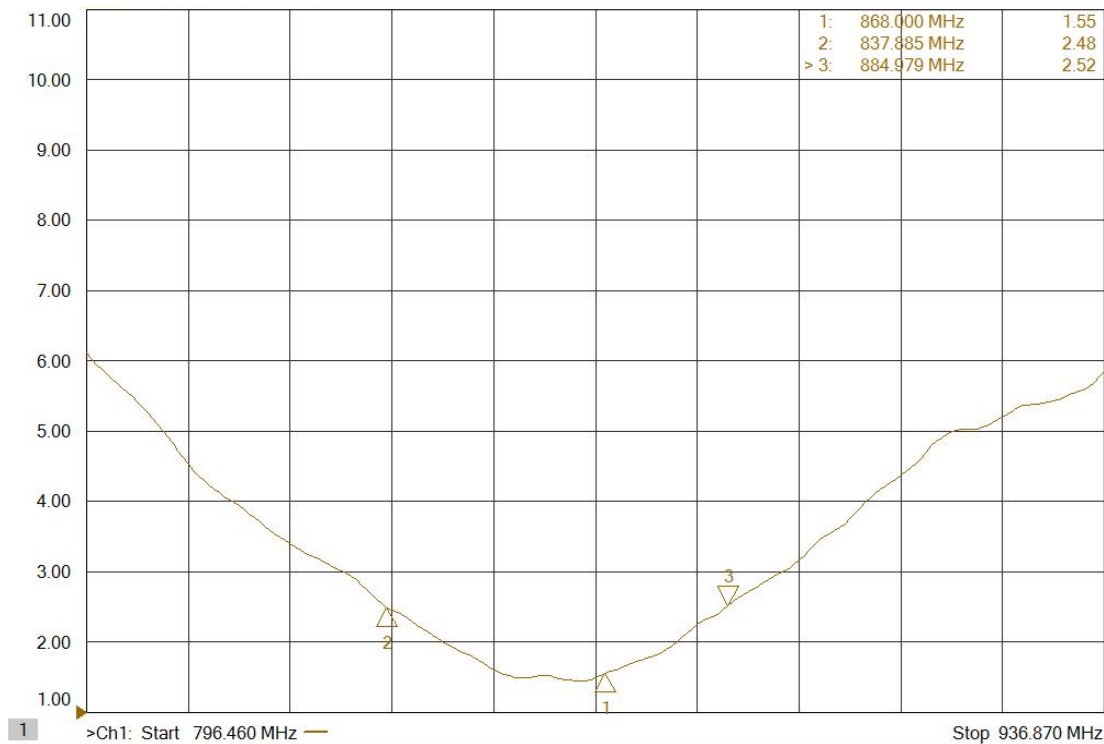


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## VSWR



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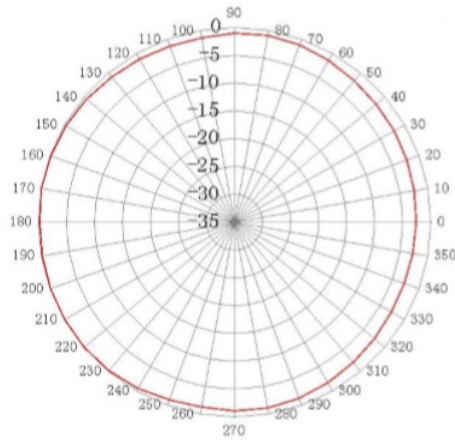
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## Radiation Pattern:

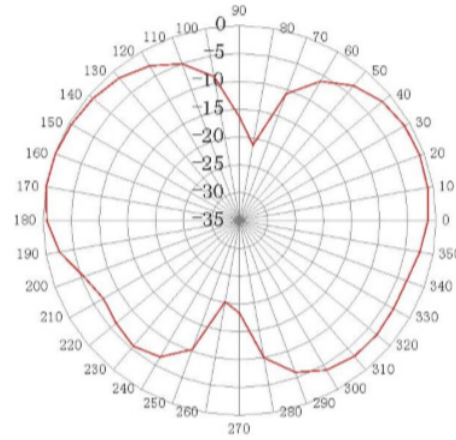
### 2D – Pattern

Frequency: 868 MHz

#### Horizontal Plane

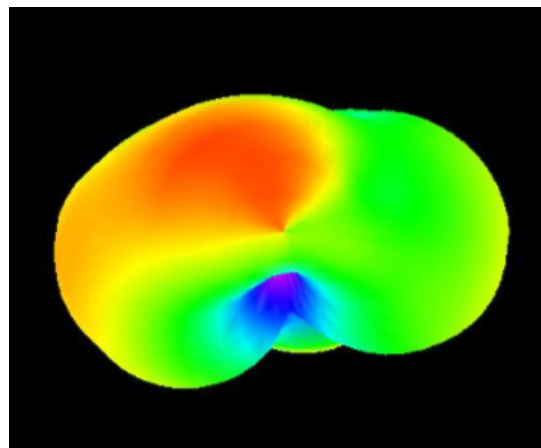


#### Vertical Plane



### 3D – Pattern

Frequency: 868 MHz



Frequency (MHz)	Efficiency	Gain (dBi)
868	0.65	3.15

## Packaging

A carton weighs about 13 Kg with 500 pieces and is of dimension 49.5 x 22.5 x 27.0 cm.



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