

# LPWA/ISM External Antenna



AEACAC049018-S868



49.9 x Ø18.6 mm  
RoHS/RoHS II Compliant  
MSL = 1

## Features

- 868 MHz LPWA/ISM antenna
- Linear polarization
- Gain of 2 dBi
- Compact, low profile whip antenna

## Applications

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

## Electrical Characteristics

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range		868		MHz	
VSWR			3		
Polarization	Linear				
Impedance		50		$\Omega$	
Gain		2		dBi	Zenith

## 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

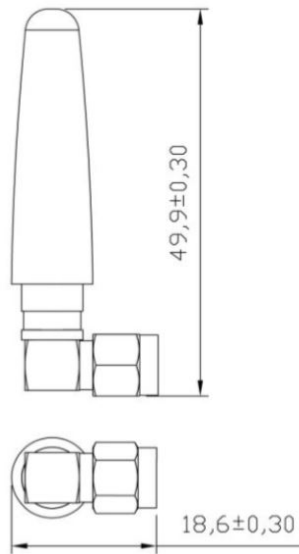


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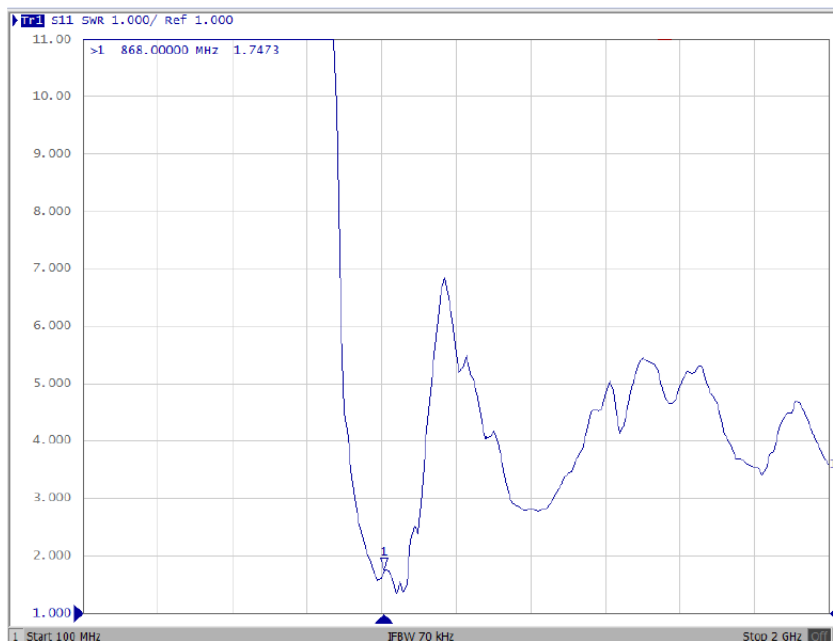
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## Product Dimensions (Unit : mm)



UNIT : mm

## VSWR



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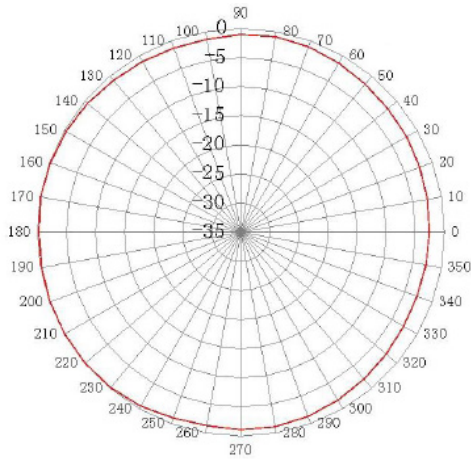
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## Radiation Pattern:

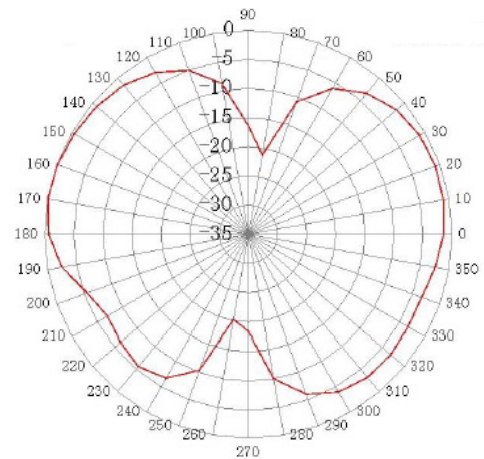
### 2D – Pattern

Frequency: 868 MHz

#### Horizontal Plane

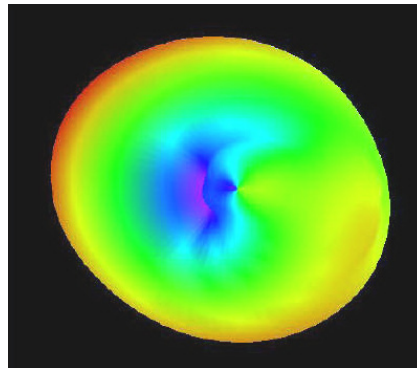


#### Vertical Plane



### 3D – Pattern

Frequency: 868 MHz



Frequency (MHz)	Efficiency	Gain (dBi)
868	0.61	2.11

## Packaging

A carton weighs about 8 Kg with 1,000 pieces each of dimension 37 x 36 x 17 cm.



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