

LPWA/ISM External Antenna



AEACAC195013-S915



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

Features

- 915 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 | | 915 | | MHz | |
| VSWR | | | 2.5 | | |
| Polarization | Linear | | | | |
| Impedance | | 50 | | Ω | |
| 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

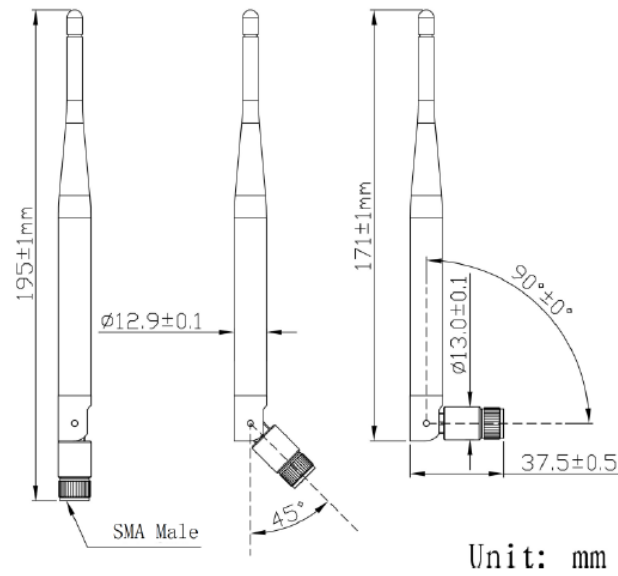


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Dimensions



Product Image



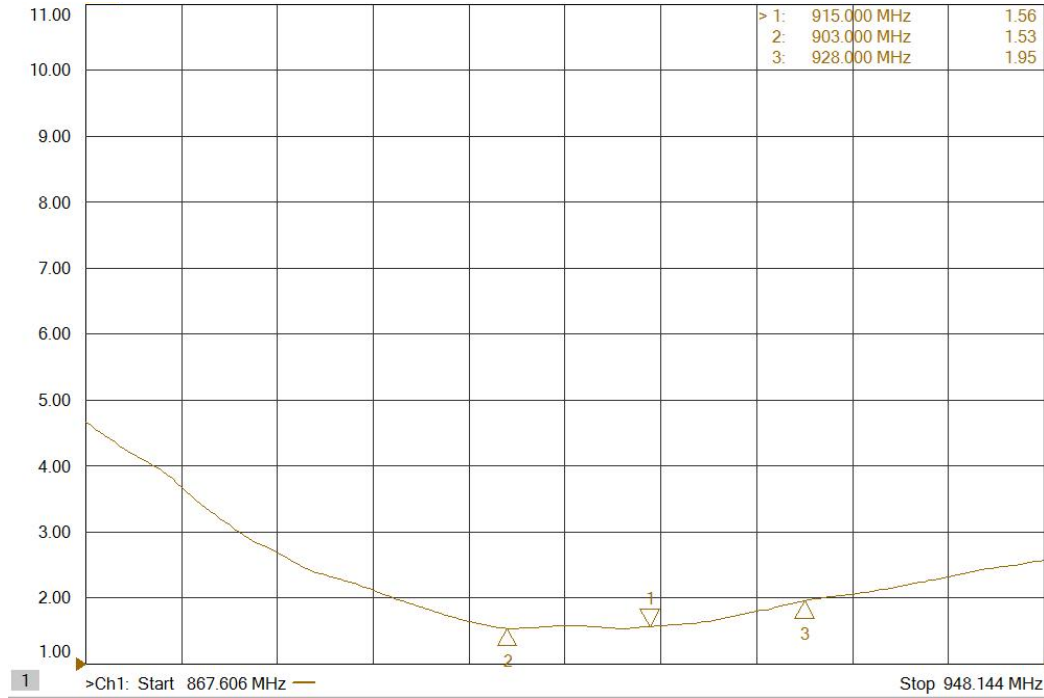


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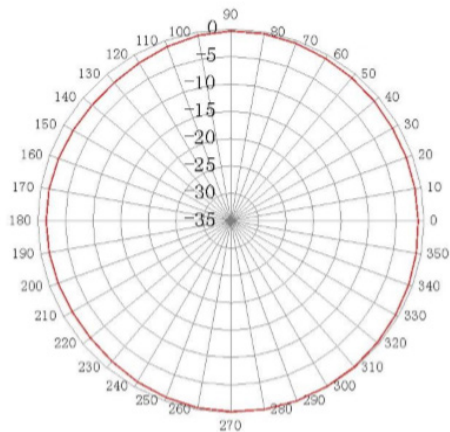
VSWR



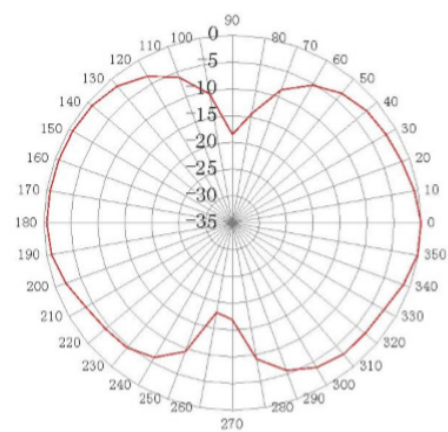
Radiation Pattern: 915 MHz

2D – Pattern

Horizontal Plane



Vertical Plane



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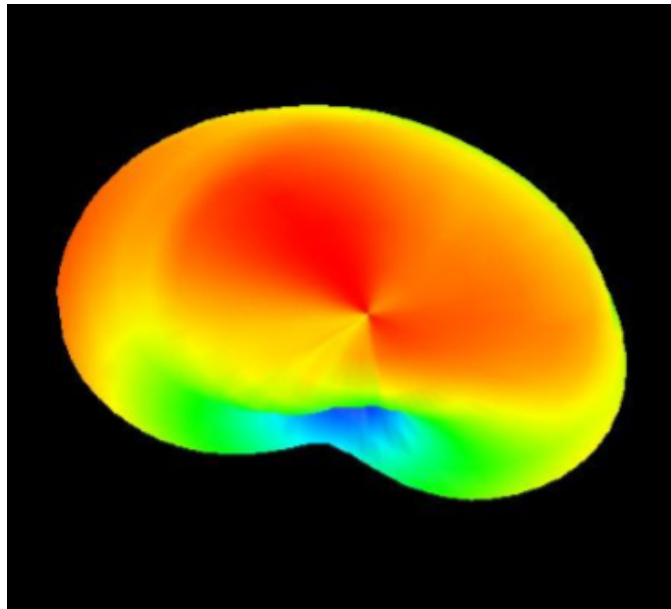
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Radiation Pattern: 915 MHz

3D - Pattern



| Frequency (MHz) | Efficiency | Gain (dBi) |
|-----------------|------------|------------|
| 915 | 0.64 | 3.22 |

Packaging

The package of dimension 49.5 x 22.5 x 27.0 cm has 500 pcs and weighs about 13 Kg.

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