

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 | | 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

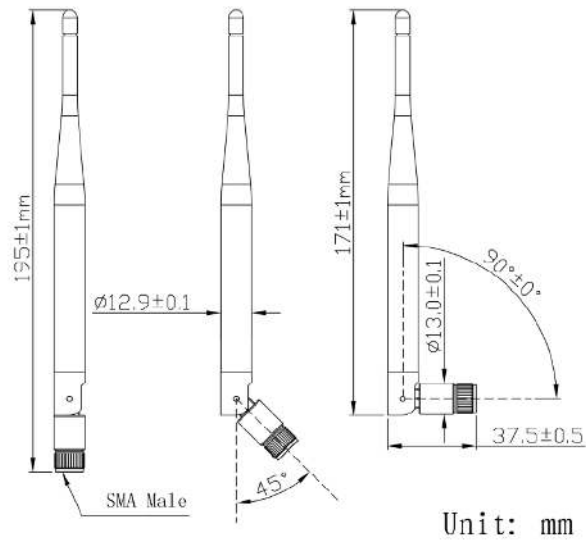


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Dimensions



Product Image



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VSWR



ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



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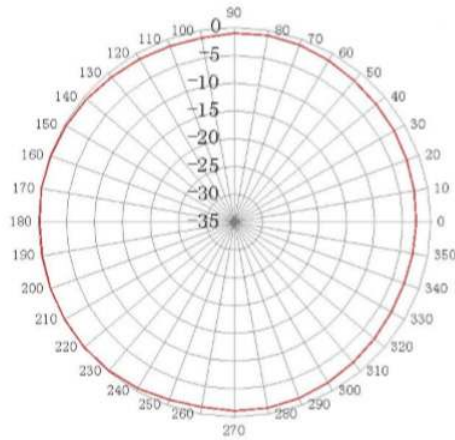
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Radiation Pattern:

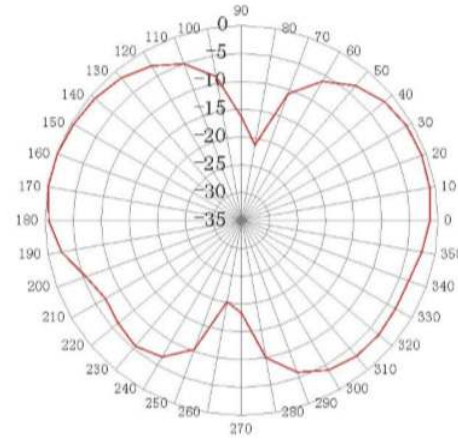
2D – Pattern

Frequency: 868 MHz

Horizontal Plane

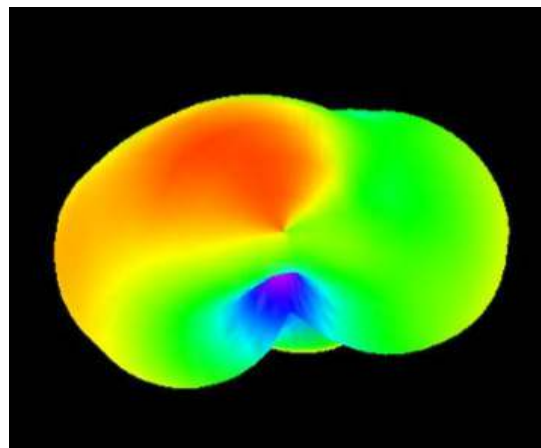


Vertical Plane



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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