

433 MHz External Antenna



AEACAC053010-S433



53.4 x Ø10.4 mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- Low Frequency of 433 MHz
- VSWR \leq 2.0
- Gain of 2dBi
- Input power of 10W

APPLICATIONS

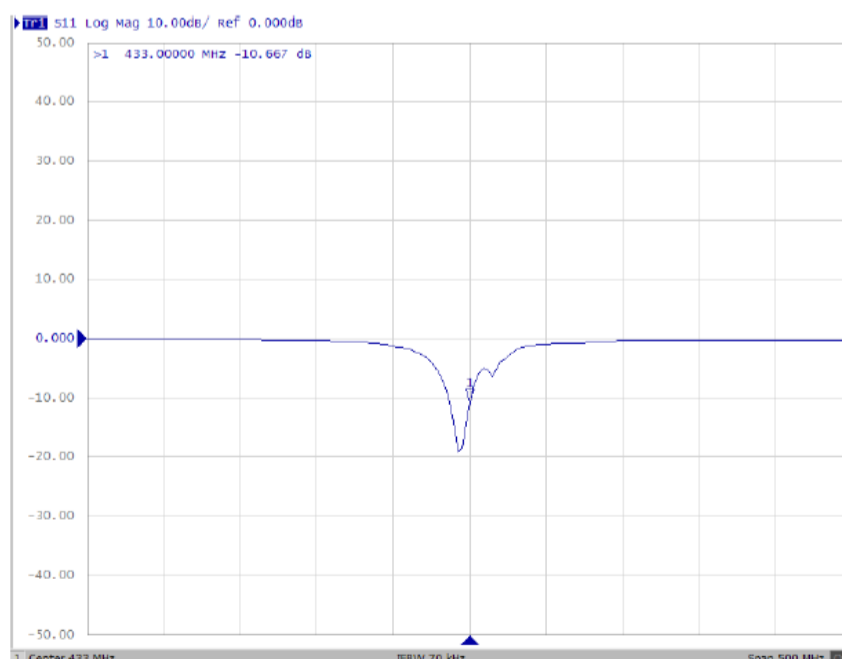
- IoT and wearable
- Wireless
- ISM Band
- LoRa
- SigFox
- RFID
- Remote Technology/Monitoring
- Smart Meters
- Medical Devices
- Home Automation
- M2M

ELECTRICAL SPECIFICATIONS

| Item | min | Typ. | Max. | Units | Note |
|-----------------------|-----|----------------|------|--------------|--------|
| Frequency Range | | 433 | | MHz | |
| Bandwidth | | CF \pm 5 MHz | | | |
| VSWR | | | 2.0 | | |
| Polarization Model | | Linear | | | |
| Impedance | | 50 | | Ω | |
| Gain | | 2 | | dBi | Zenith |
| Operating Temperature | -40 | | +85 | $^{\circ}$ C | |
| Input Power | | | 10 | W | |

RETURN - LOSS CHARACTERISTICS

S11 Return-Loss



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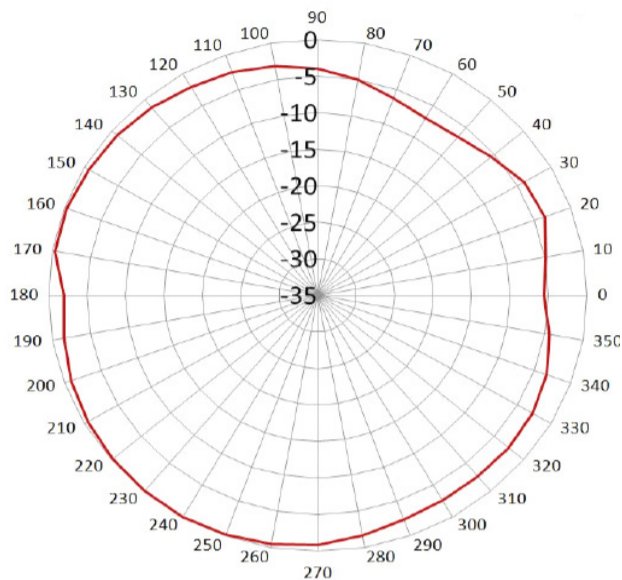
53.4 x Ø10.4 mm
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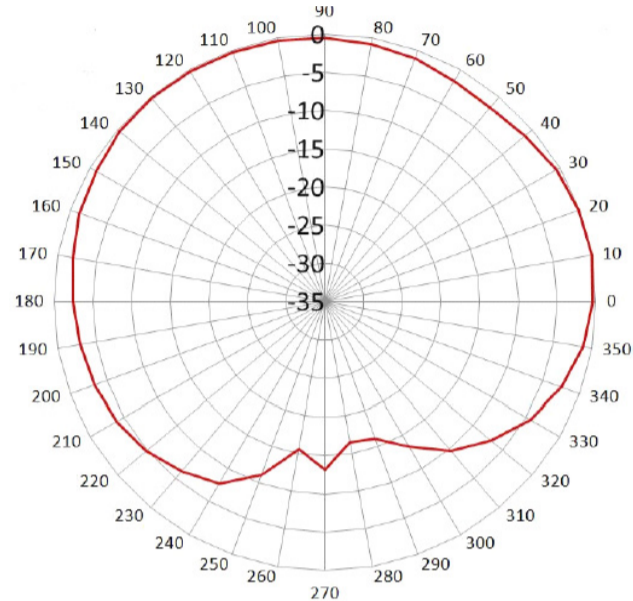
RADIATION PATTERNS

Antenna 2D Patterns for 433 MHz

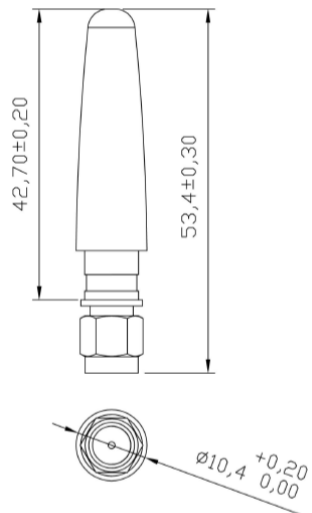
Horizontal Plane



Vertical Plane



DIMENSIONS



| Parameters | Description |
|---------------|-----------------|
| RF Connector | SMA Male |
| Mounting Type | Connector mount |

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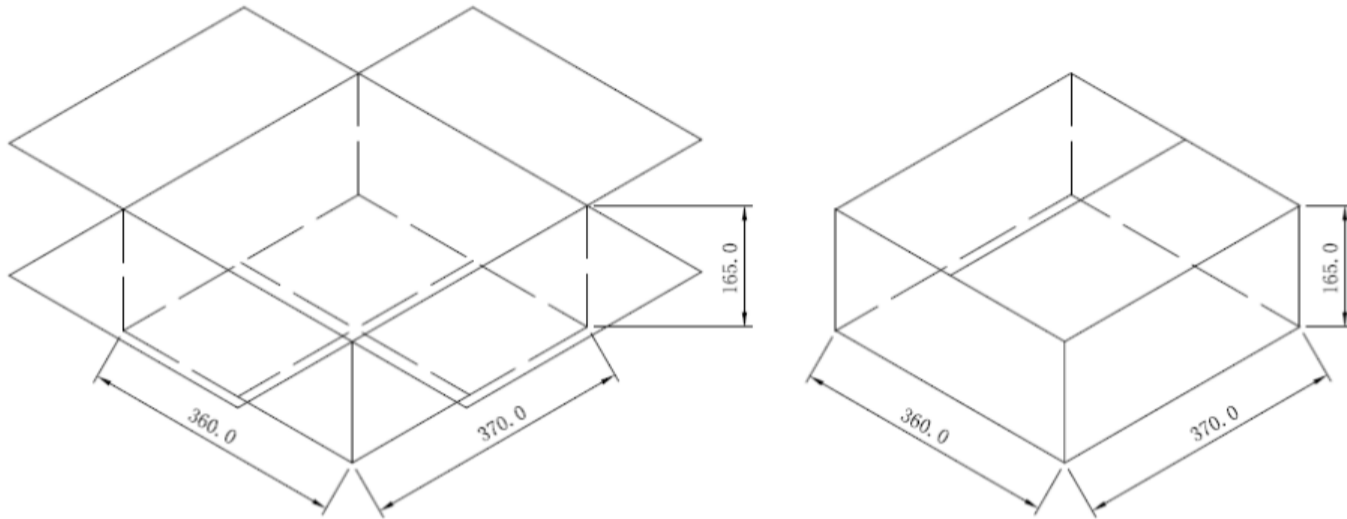


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PACKAGING

Each 370 x 360 x 165 mm size carton includes 1000 pcs antenna, 8kgs/carton.



Unit: mm

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