

# 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

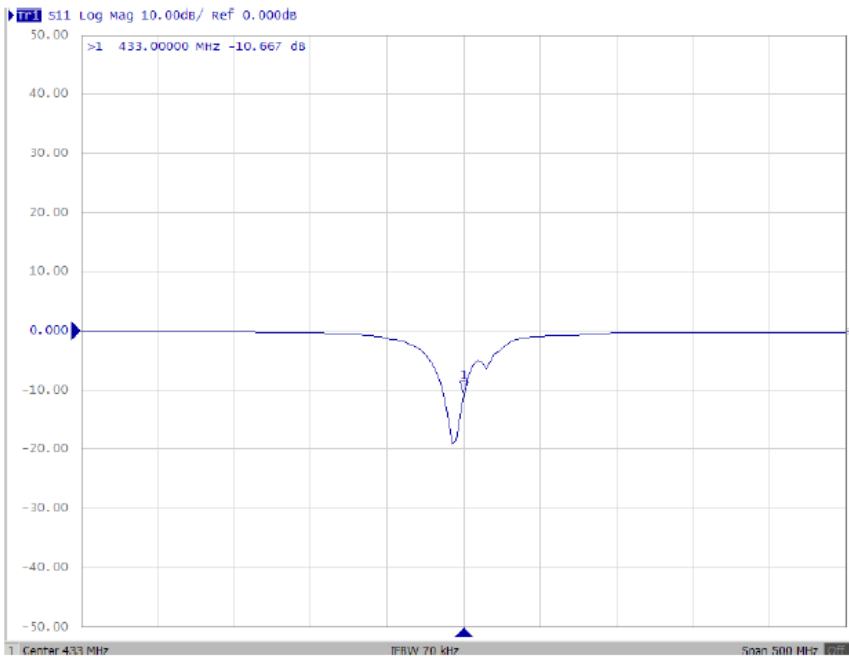
- IoT and wearable
- Wireless
- ISM Band
- LoRa
- SigFox
- RFID
- Remote Technology/Monitoring
- Smart Meters
- Medical Devices
- Home Automation
- M2M

## 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             |      | $\Omega$     |        |
| Gain                  |        | 2              |      | dBi          | Zenith |
| Operating Temperature | -40    |                | +85  | $^{\circ}$ C |        |
| Input Power           |        |                | 10   | W            |        |

## RETURN - LOSS CHARACTERSTICS

S11 Return-Loss



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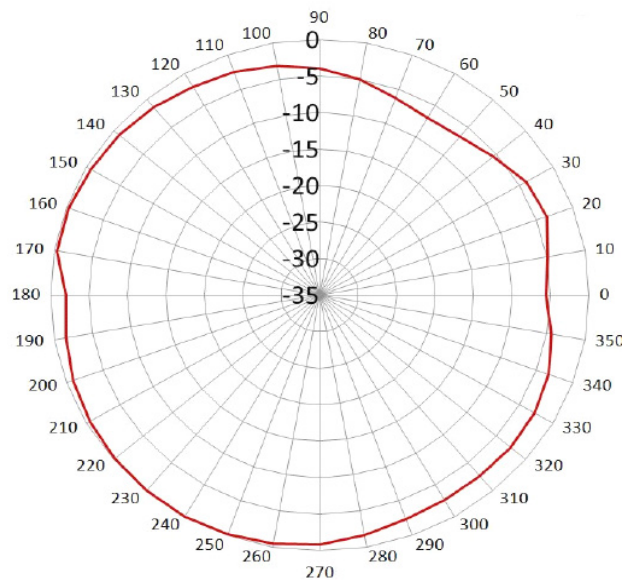
53.4 x Ø10.4 mm  
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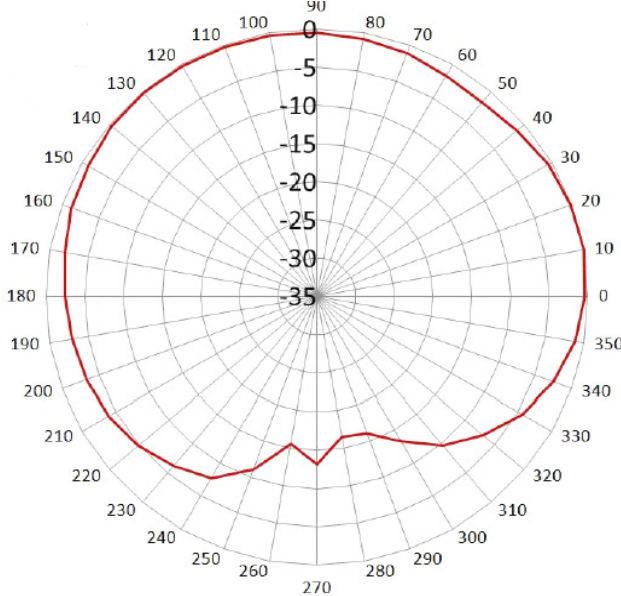
## RADIATION PATTERNS

### Antenna 2D Patterns for 433 MHz

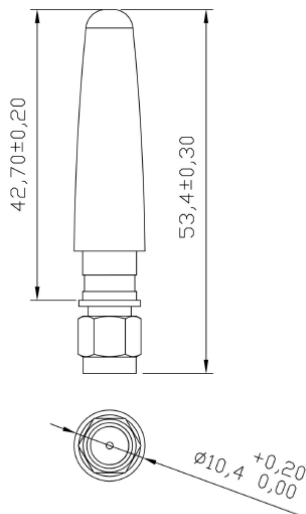
Horizontal Plane



Vertical Plane



## DIMENSIONS



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

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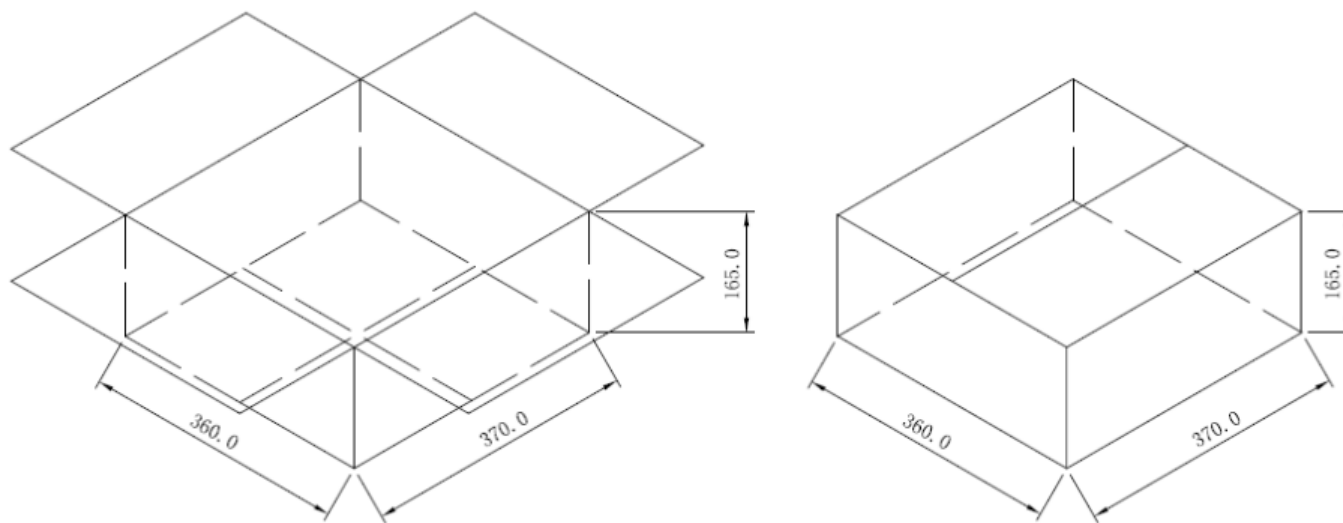


53.4 x Ø10.4 mm  
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## PACKAGING

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



Unit: mm

# Mouser Electronics

Authorized Distributor

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[AEACAC053010-S433](#)