

Datasheet for  
**RT-O-ANT-ISM-S2**  
Compact 868 MHz ISM “screw-on” antenna.



This compact ISM antenna supports the 868 MHz frequency band used by RTCU devices with on-board ISM radio. It is designed for easy “screw-on” directly onto the device and has a convenient tilt design.

## ***Electrical Characteristics***

### **ISM Antenna**

<b>Item</b>	<b>Specifications</b>	<b>Post Environmental Tolerance</b>
Center Frequency	868 MHz	± 8 MHz
V.S.W.R (in BW)	<2. : 1	-
Gain (Zenith)	3 dB	± 0.5 dB
Polarization	Linear	-
Impedance	50 Ω	-

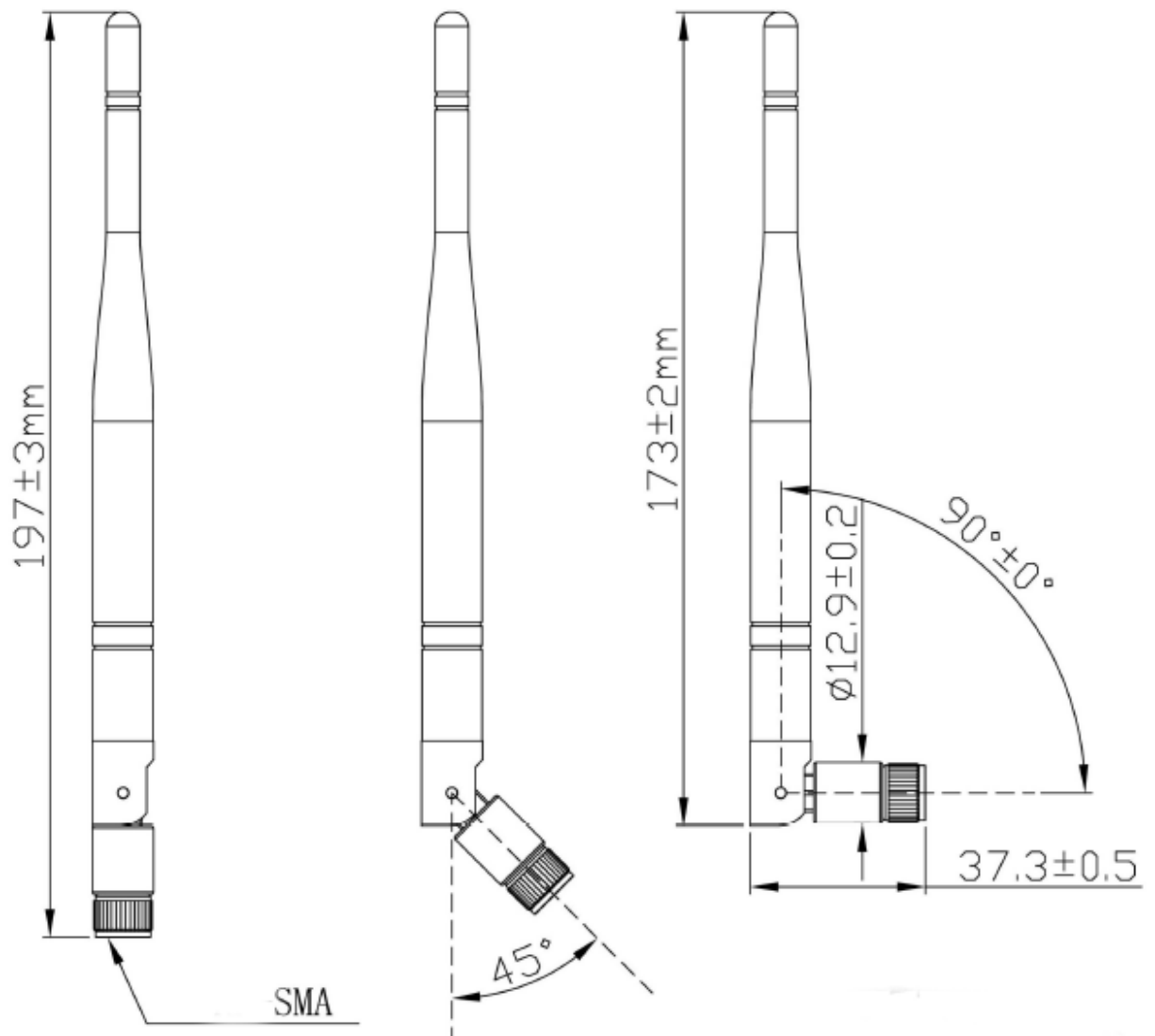
## ***Mechanical Specifications***

<b>Item</b>	<b>Specifications</b>
Connector	SMA male for direct screw-mounting.
Plastic Housing	Black
Height	179±3mm.

## ***Environmental Specifications***

<b>Item</b>	<b>Specifications</b>
Relative Humidity Range	Up to 95 %
Operating Temperature Range	-40 °C ~ +85 °C
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours

**Dimensions (in mm)**



### Radiation Pattern

