

# LoRa External Antennas



Molex LoRa External Antennas are flexible whip antennas operating on LoRa frequency bands and offering high performance and 360° coverage

## Features and Advantages



Molex LoRa External Antenna



## Applications

### Industrial

- Smart city
- Smart meters
- Power devices
- Smart logistics

### IoT

- IoT in agriculture
- IoT and IT infrastructure



Smart city



Smart meters



Smart logistics

## Specifications

### *REFERENCE INFORMATION*

Packaging: PET bag  
Mates With: SMA socket  
Designed In: Millimeters  
RoHS: Yes

### *ELECTRICAL*

Frequency (MHz):  $868\pm 10$ ,  $915\pm 10$   
RF Power (Watt): 2.0  
Return Loss (dB):  $< -15$  (for  $868\pm 10\text{MHz}$ )  
 $< -8$  ( $915\pm 10\text{MHz}$ )  
Average Total Radiation Efficiency:  $>75\%$   
(for  $868\pm 10\text{MHz}$ )  $>70\%$  ( $915\pm 10\text{MHz}$ )  
Peak Gain (dBi): 2.5 (for  $868\pm 10\text{MHz}$ )  
1.7 ( $915\pm 10\text{MHz}$ )  
Impedance (Ohms): 50

### *MECHANICAL*

Refer to product specifications

### *PHYSICAL*

Size (mm): 196.00 by 6.00  
Material: Refer to sales drawings  
Operating Temperature:  $-40$  to  $+85^{\circ}\text{C}$