

Datasheet

LoRa 433MHz
Embedded

Springs Antenna

Features:

The spring helical antenna features high performance. Also, it is designed with foot pin, compatible with various kinds of devices.

Applications:

- Wireless sensing, metering device
- IoT devices
- Logistic tracking
- Smart home system
- Healthcare

**Electrical Specifications****Antenna Characteristics**

| Antenna Type | Radiation Pattern | Polarization | Max. Input Power | Impedance |
|---|-------------------|--------------|------------------|-----------|
| Springs Antenna | Omni | Linear | 1W | 50Ω |
| Frequency (MHz) | 423~443 | | | |
| Return Loss (dB) @200mm x 200mm G ND | < -9.5 | | | |
| Peak Gain (dBi) @433MHz | -0.5 | | | |
| Average Gain (dB) | -3.1 | | | |
| Efficiency (%) @433MHz | 49 | | | |