# **RF-MDWS-HP-S**

## Antenna info

#### **Overview:**

#### • Antenna description:

The antenna is a bros wire antenna. Shaped in a helical form and used in a monopole arrangement.

#### • Applications

- Door/window sensor
- o 319.508 MHz ISM Band Systems

#### Power:

- Unit is powered by a 3V CR2 lithium battery
  - Typical Capacity: 800 mAh (to 2.0 volts) (rated at 100 ohms at 21°C)
  - Typical Weight: 11 grams
  - Typical Volume: 5.2 cubic centimeters
  - Max Discharge: 1000 mA continuous (2500 mA pulse)
  - Max Rev Charge: 2 uA
  - Typical Li Content: 0.28 grams

### Antenna design:

Frequency 319.508 MHz

Length 5.3 inches

Diameter 0.065 inches

Capacitance 9.104 pF

Inductance 27.81 nH

Quarter Wavelength 0.115 m

Antenna Length 65.10 %

Radiation Resistance 0.150 Ohms

