

**Features:**

- Frequency 2400-2500MHz
- Gain 2.0 dBi
- Return Loss -10dB
- Length 108mm Straight position
- Connector:
  - RP SMA Male as default
  - SMA Male available by request

**Applications:**

- 2.4GHz ISM band radios
- Bluetooth, BLE, Zigbee
- WLAN, WiFi 802.11x for 2.4GHz
- Indoor use

All dimensions are in mm / inches

**Issue: 2047**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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**Series: Stick Antenna****Description :** 2.4-2.5GHz Dipole swivel stick antenna**PART NUMBER: W1030****ELECTRICAL SPECIFICATIONS**

|                   |                                          |
|-------------------|------------------------------------------|
| Antenna Type      | 1/2 $\lambda$ Swivel Type Dipole Antenna |
| Frequency         | 2.4-2.5 GHz                              |
| Nominal Impedance | 50 $\Omega$                              |
| Return Loss       | $\leq -10$ dB                            |
| Radiation Pattern | Omni                                     |
| Gain              | 2.0 dBi                                  |
| Polarization      | Vertical                                 |
| Electrical Length | 1/2 $\lambda$ dipole                     |

**MECHANICAL SPECIFICATIONS**

|                |                                                       |
|----------------|-------------------------------------------------------|
| Overall Length | 108 mm                                                |
| Weight         | 6.3 g                                                 |
| Antenna Color  | Black                                                 |
| Connector type | Reverse SMA (Male), default<br>SMA (Male), by request |

**ENVIRONMENTAL SPECIFICATIONS**

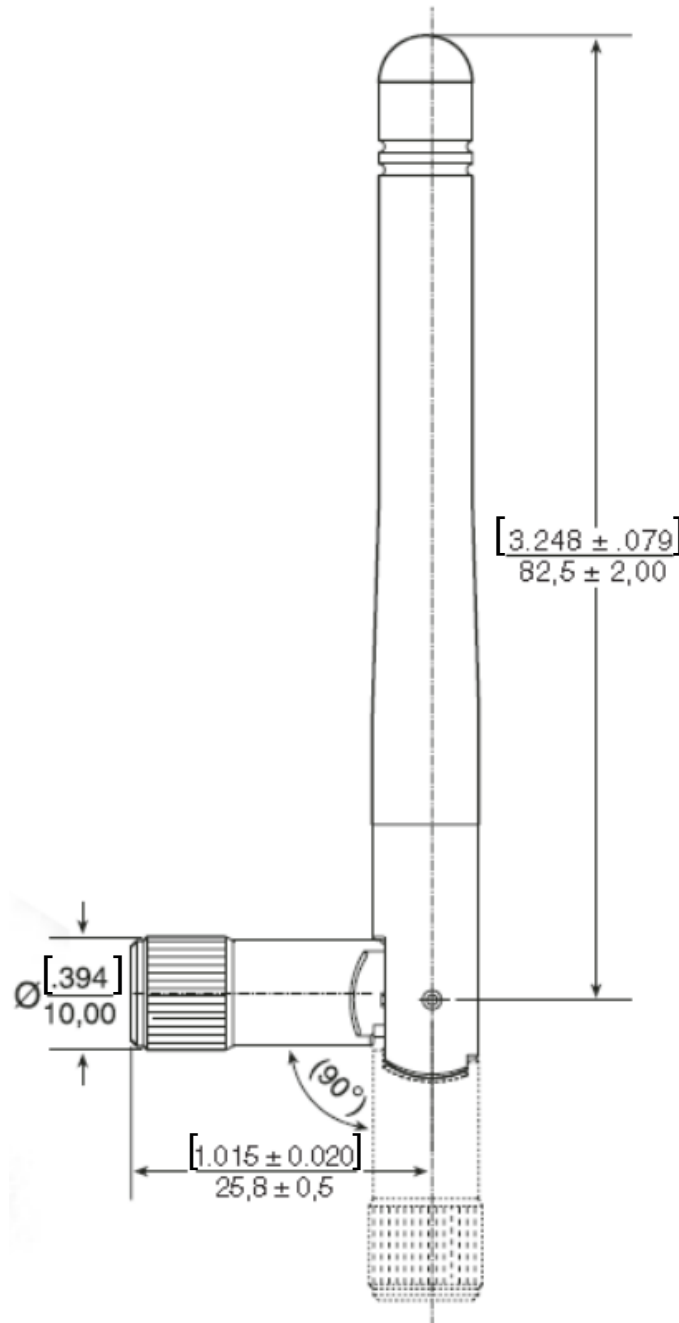
|                       |            |
|-----------------------|------------|
| Operating Temperature | -40~+85° C |
| Storage Temperature   | -40~+85° C |
| RoHS Compliant        | Yes        |

**Description :** 2.4-2.5GHz Dipole swivel stick antenna

**Series:** Stick Antenna

**PART NUMBER:** W1030

## MECHANICAL DRAWING

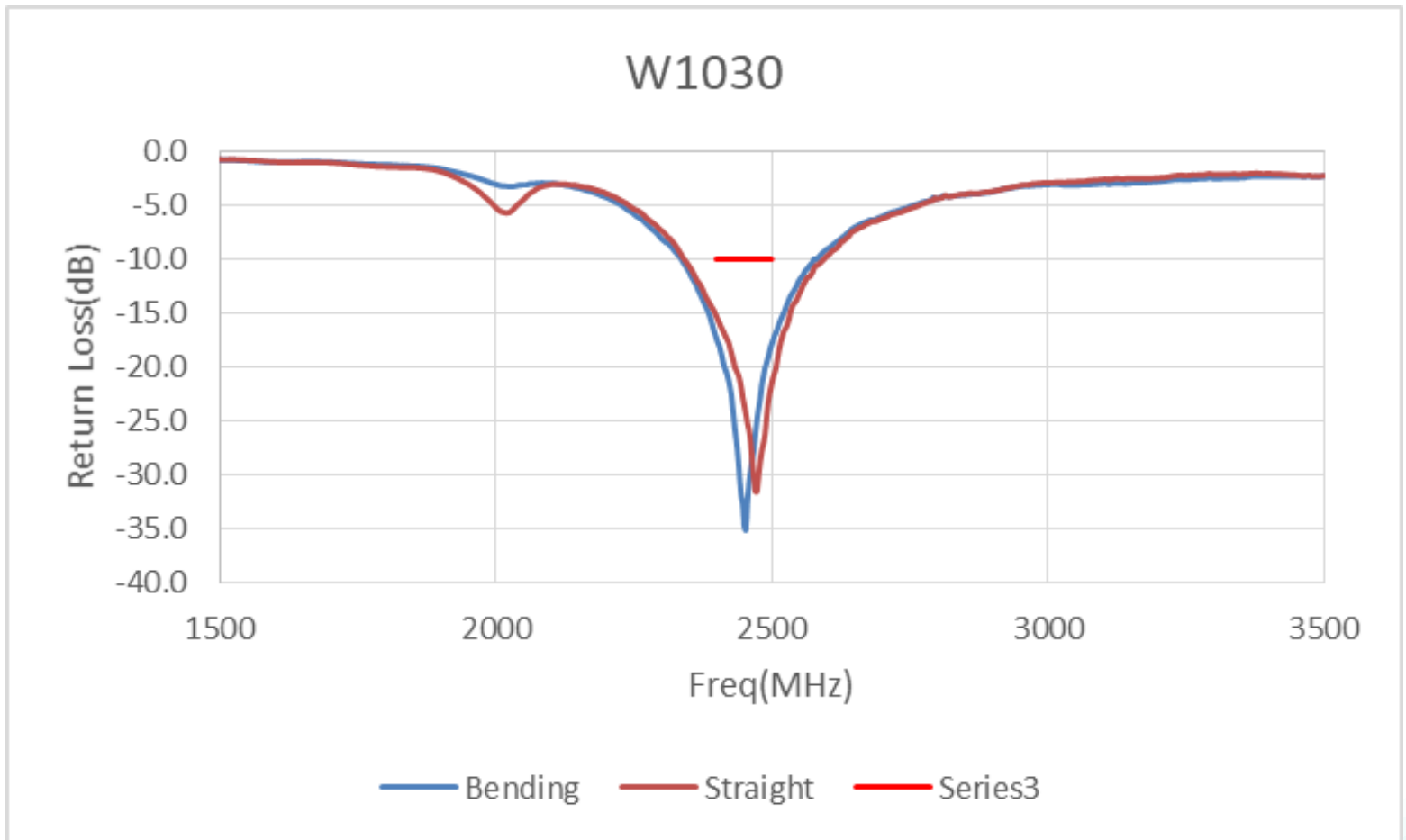


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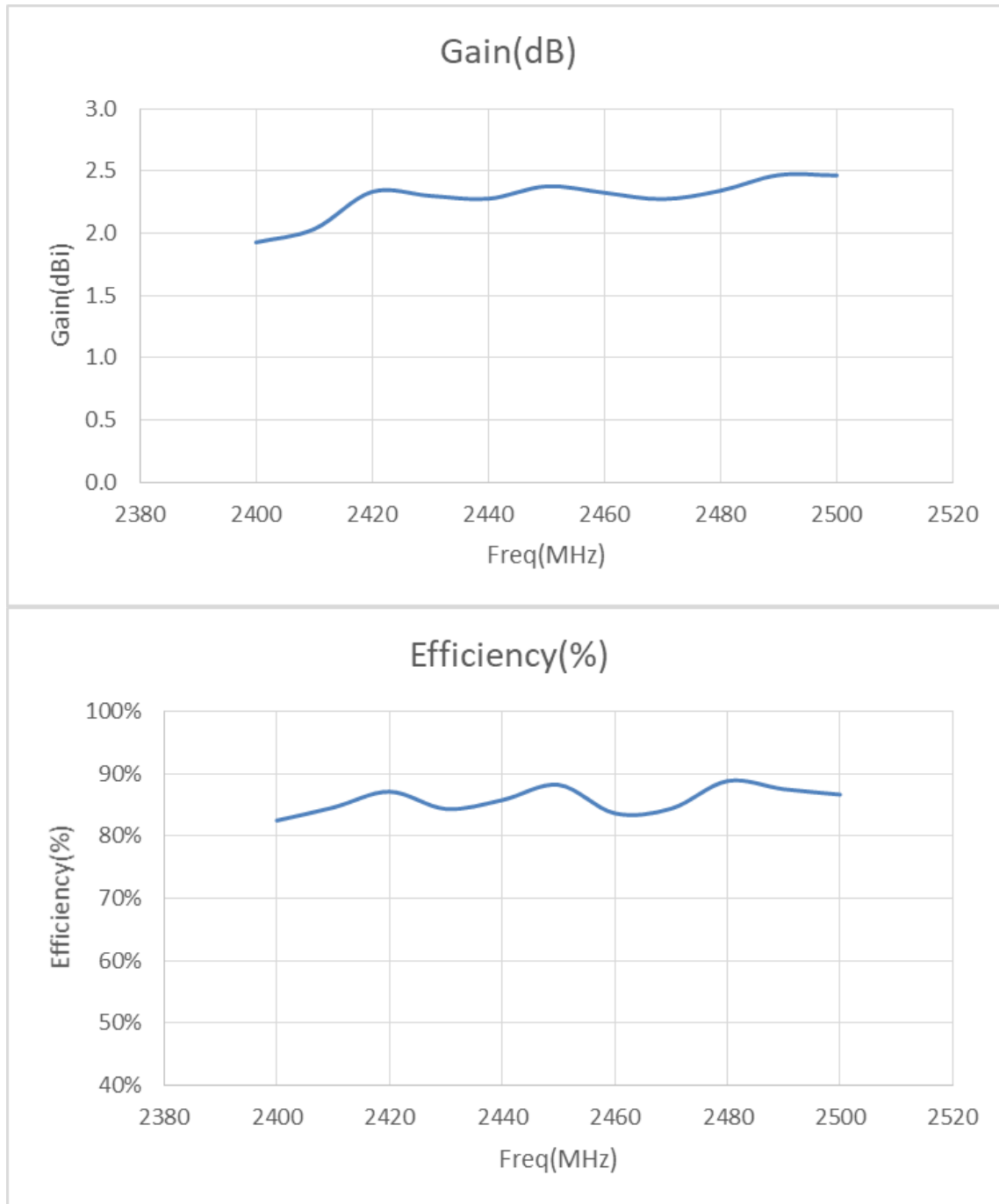
**Description :** 2.4-2.5GHz Dipole swivel stick antenna**Series:** Stick Antenna**PART NUMBER:** W1030**Return Loss**

Issue: 2047

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**Description :** 2.4-2.5GHz Dipole swivel stick antenna**Series:** Stick Antenna**PART NUMBER:** W1030**Gain and efficiency**

Issue: 2047

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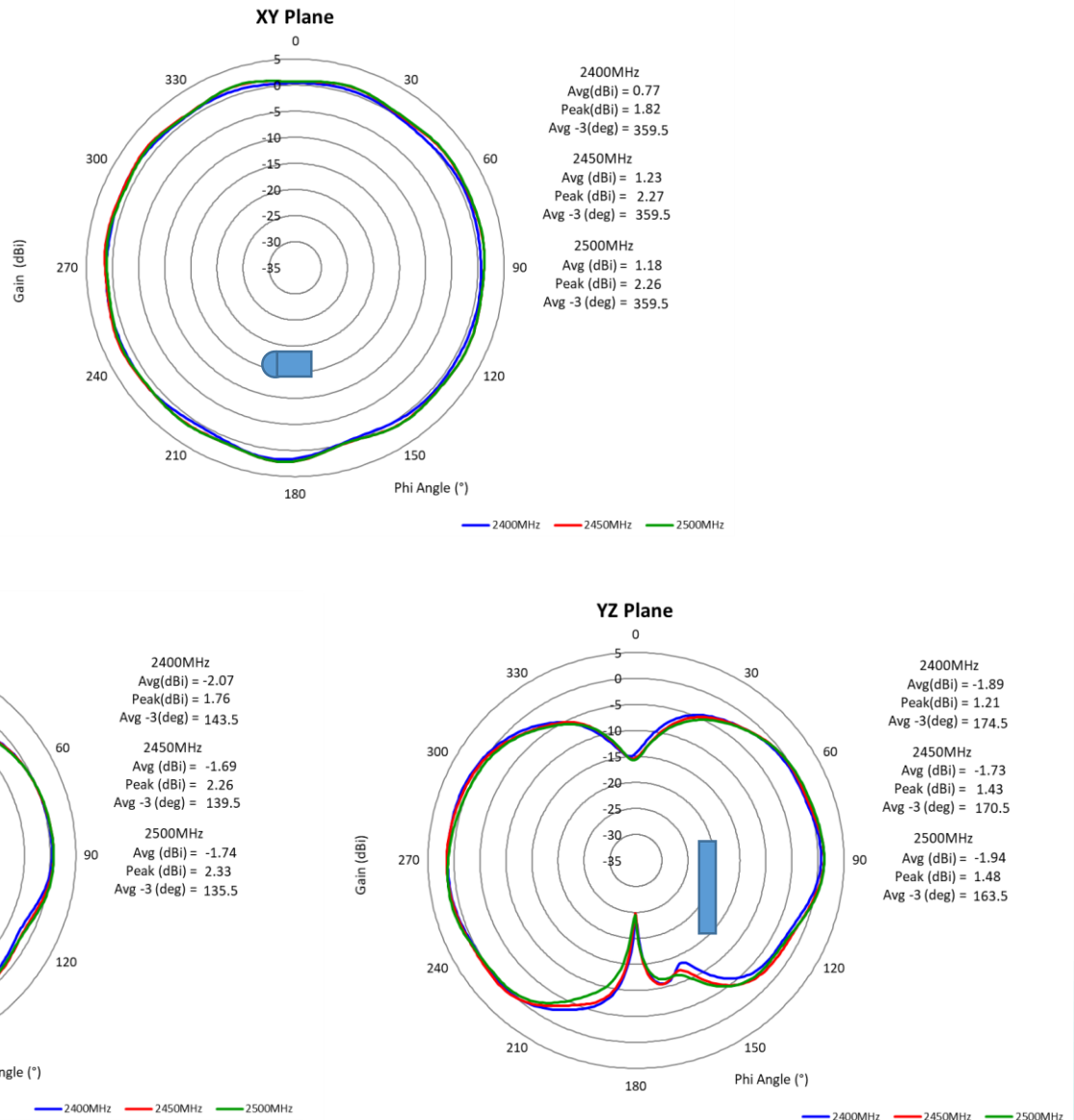
### Series: Stick Antenna

**Description :** 2.4-2.5GHz Dipole swivel stick antenna

**PART NUMBER: W1030**

## CHARTS

### Radiation pattern



Issue: 2047

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**Series: Stick Antenna****Description :** 2.4-2.5GHz Dipole swivel stick antenna**PART NUMBER: W1030****PACKAGING**

Pack 20pcs antenna in one PE bag, 30pcs PE bag (600pcs Antenna) in one carton.

# Mouser Electronics

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Pulse:

[W1028](#) [W1030](#)