

Series: Stick Antenna

**Description:**

779-787MHz RA Stick Monopole – SMA-M

**PART NUMBER: W1079**



**Features:**

- Frequency 779 - 787 MHz
- Gain 0 dBi
- Length 128 mm
- Connector SMA-Male
- IP42
- RoHS Compliant

**Applications:**

- China ISM radios operating on 779 – 787 MHz license free band
- Indoor use
- Remote controls
- Surveillance, Monitoring
- Industry automation
- IoT

All dimensions are in mm / inches

Issue: 1850

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

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**ELECTRICAL SPECIFICATIONS**

Antenna Type	Monopole
Frequency	779 - 787 MHz
Nominal Impedance	50 Ω
VSWR	2 (MAX)
Radiation Pattern	Omni
Gain	0 dBi (Typical)
Efficiency	55 % (Min)
Polarization	Vertical
Power Withstanding	5 W

**MECHANICAL SPECIFICATIONS**

Overall Length	128 mm
Weight	14.6 g
Antenna Color	Black
Connector type	SMA Male R/A

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature	-40~+85 °C
Storage Temperature	-40~+85 °C
Ingress Protection	IP42
RoHS Compliant	Yes

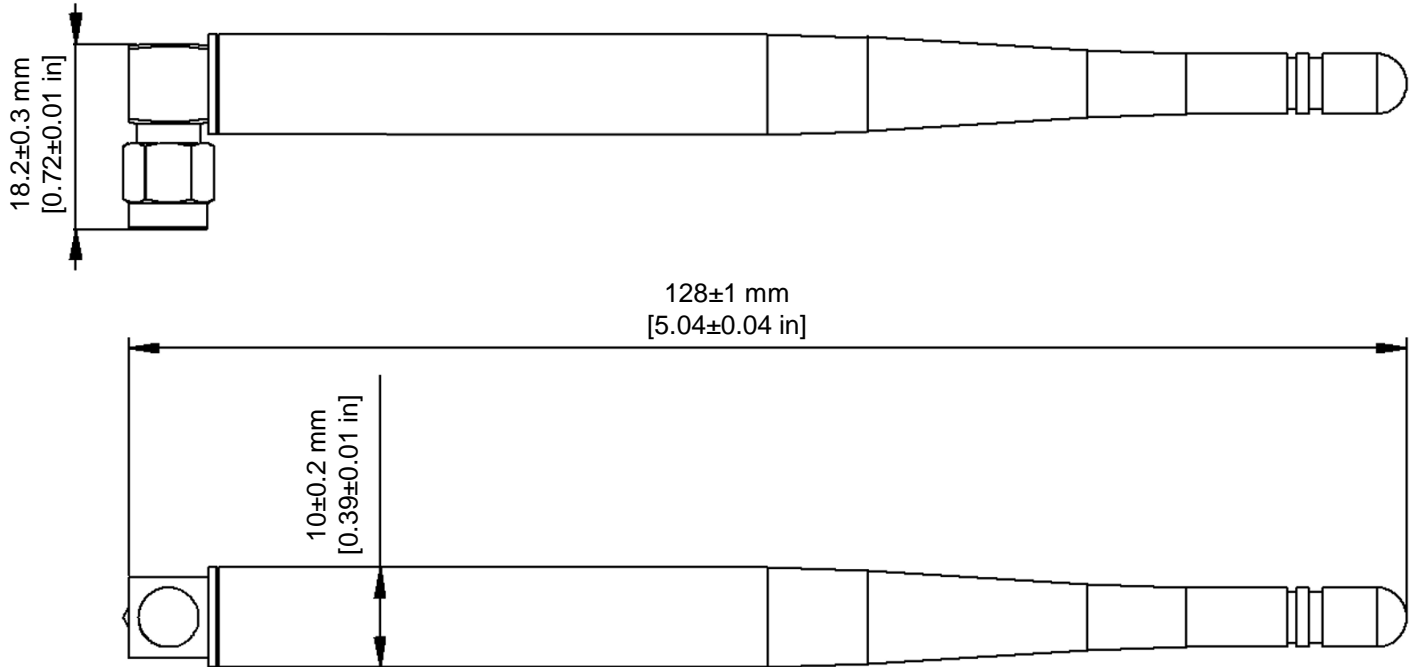
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**MECHANICAL DRAWING**



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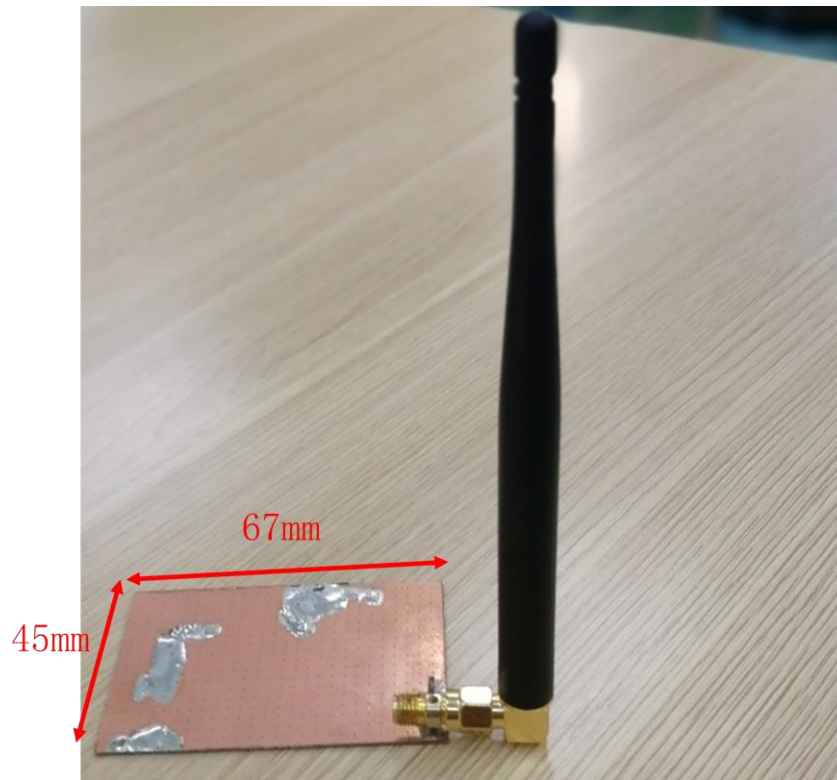
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TEST SETUP



Test with a 45mm\*67mm ground plane in free space.

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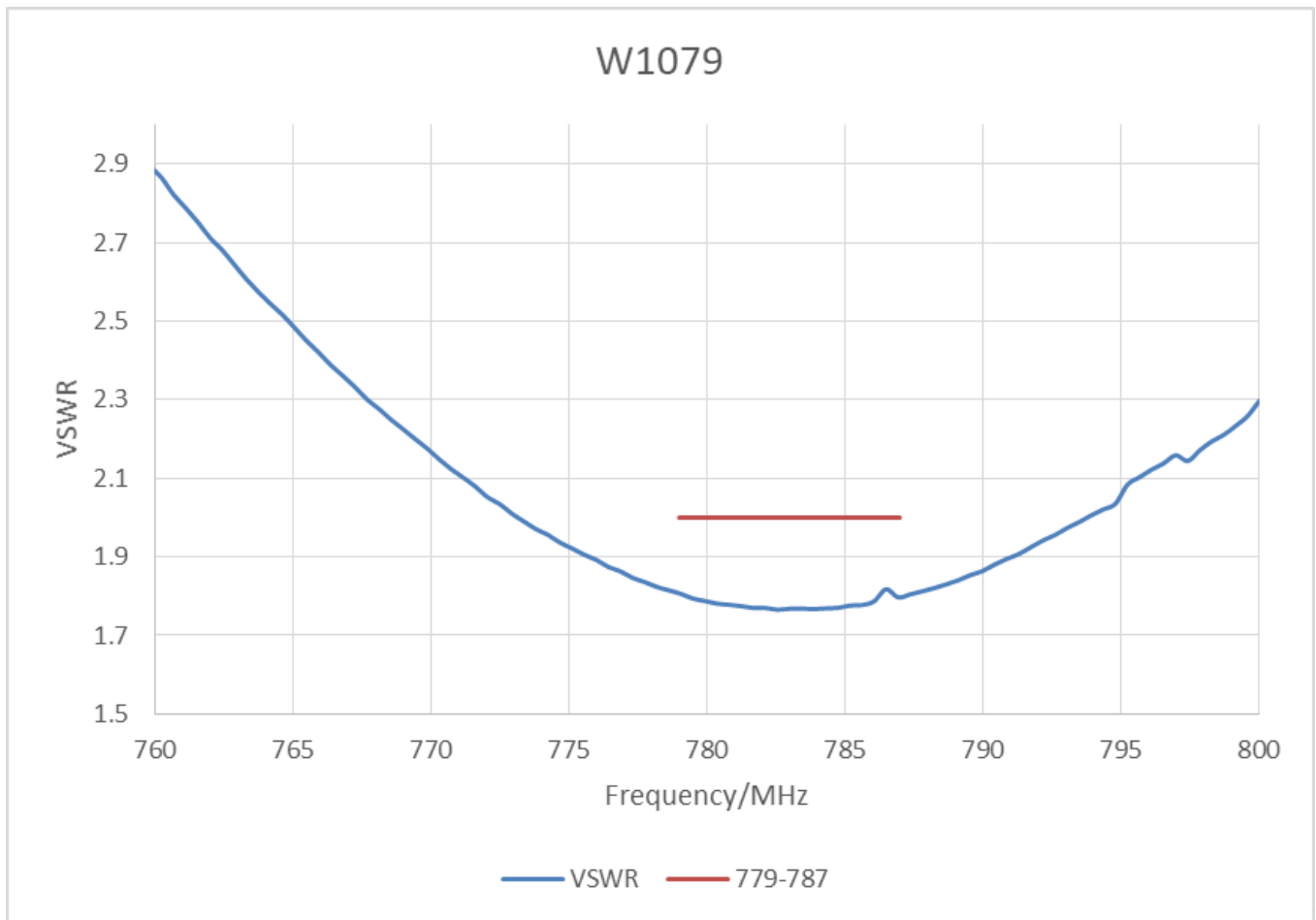
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CHARTS

VSWR vs Frequency



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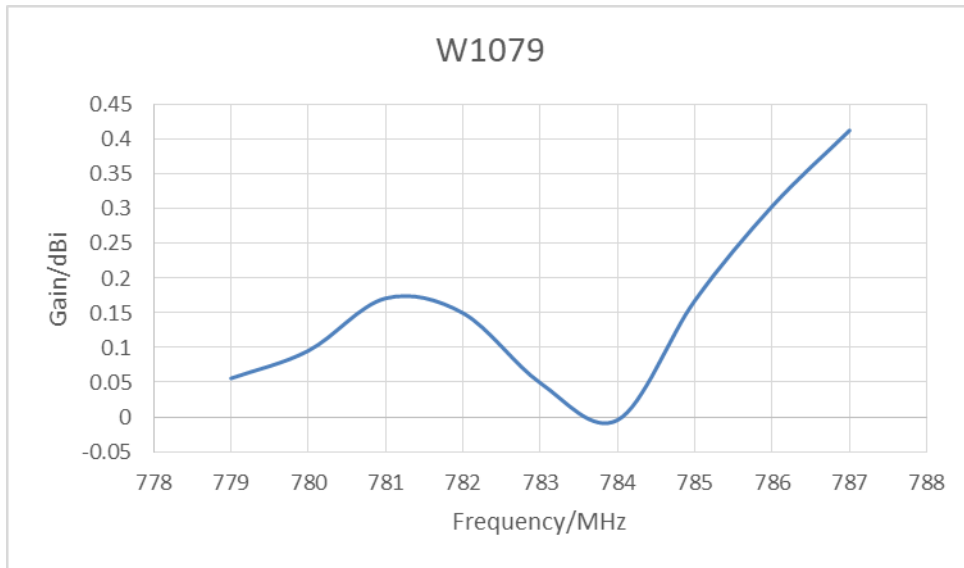
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**CHARTS**

**Peak Gain**



**Radiation Efficiency**



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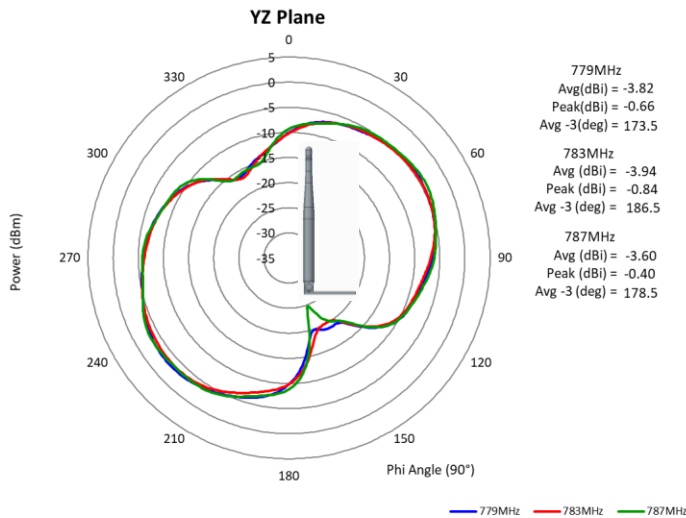
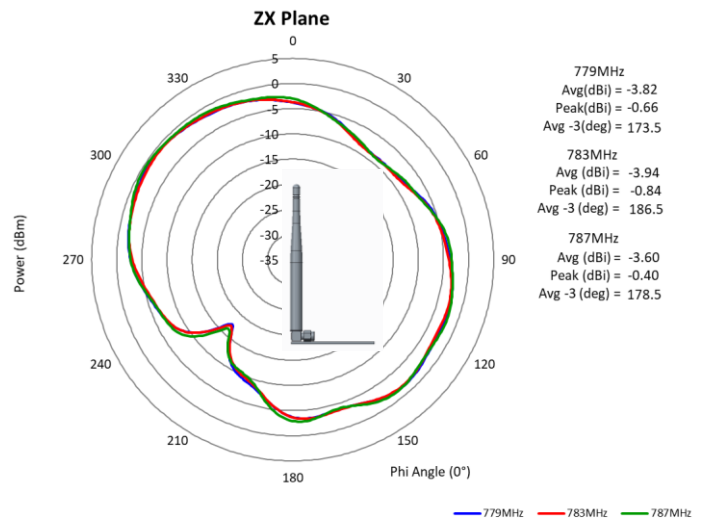
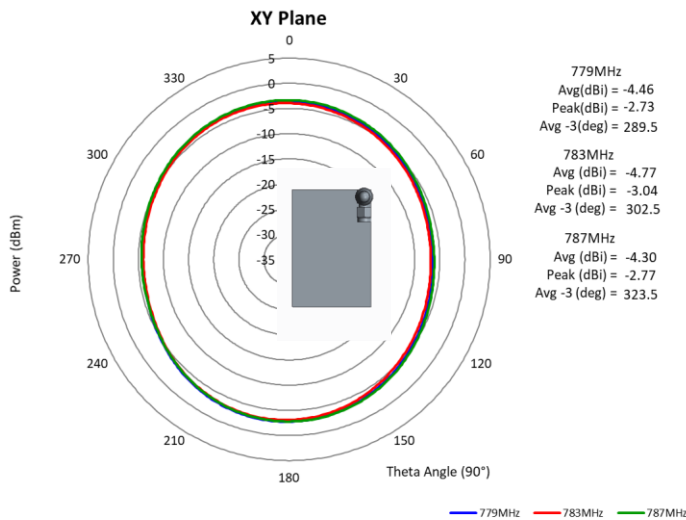
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CHARTS

Radiation Pattern 2D



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**PACKAGING**

20PCS / PE Bag, 800PCS / Box

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