PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description:
779-787MHz RA Stick Monopole – SMA-M

Series: Stick Antenna

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

RoHS COMPLIANT

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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

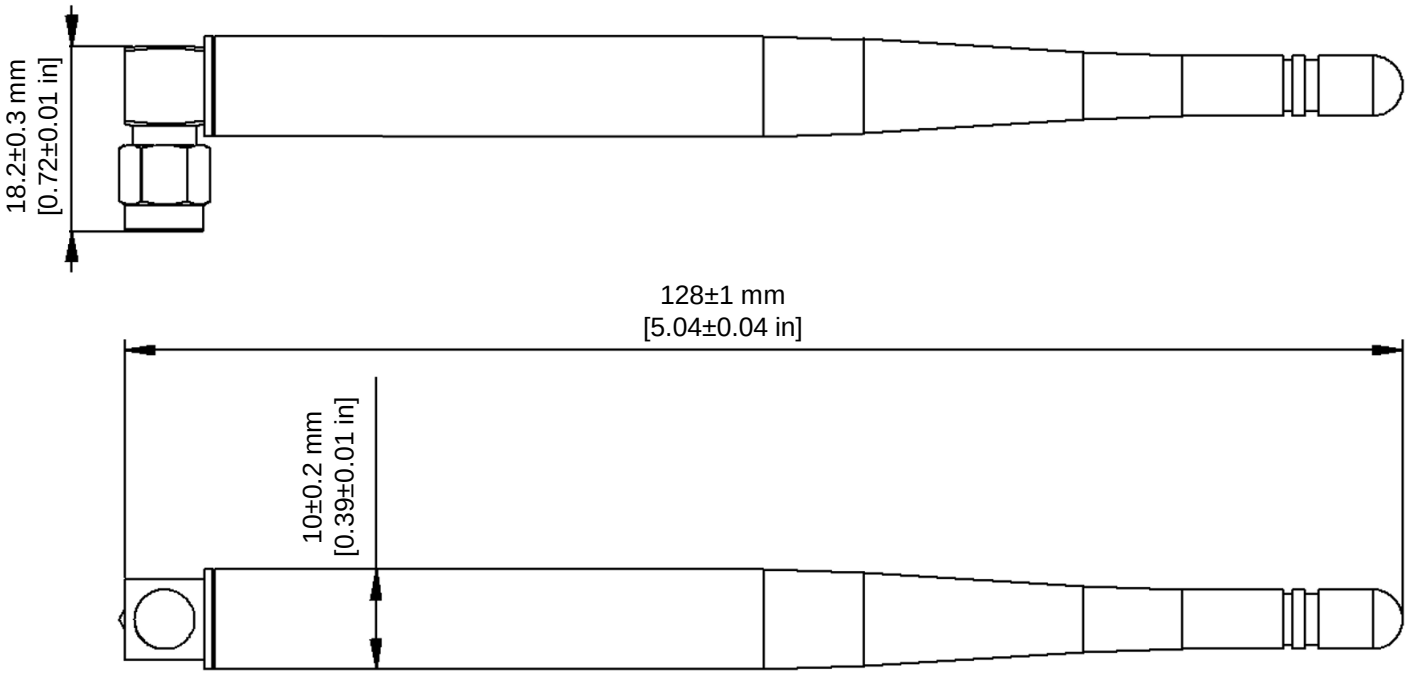
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MECHANICAL DRAWING



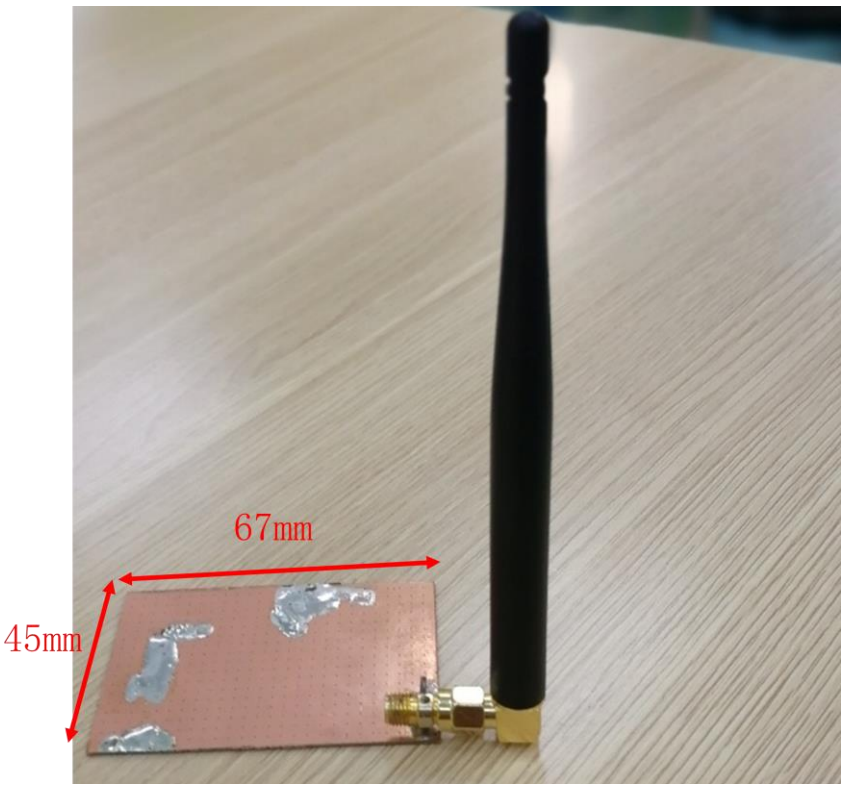
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TEST SETUP



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

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CHARTS

VSWR vs Frequency



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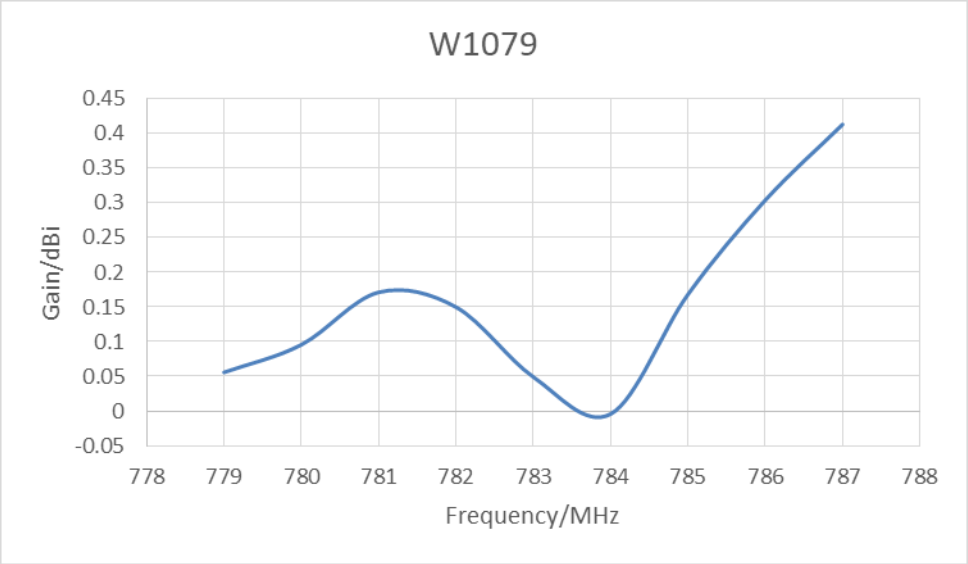
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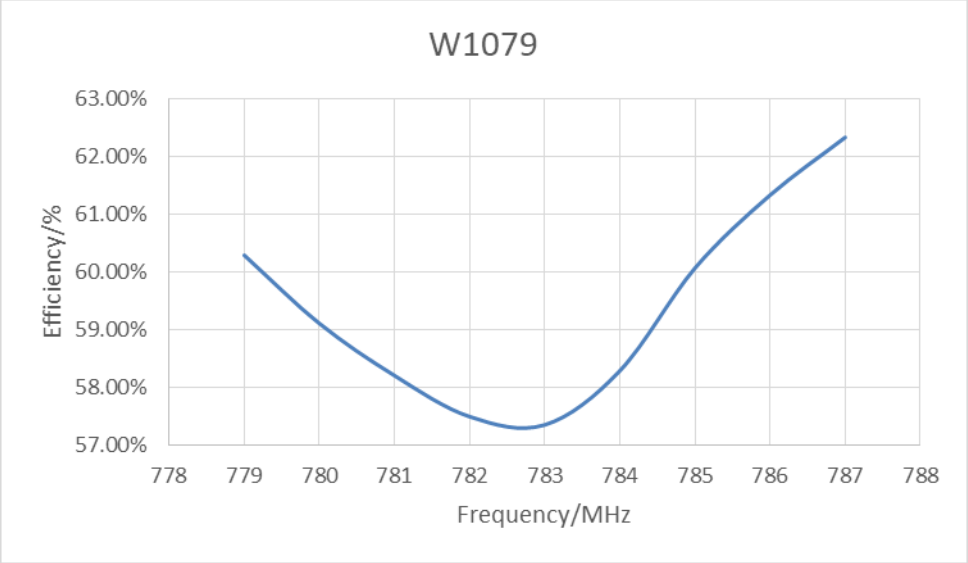
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CHARTS

Peak Gain



Radiation Efficiency



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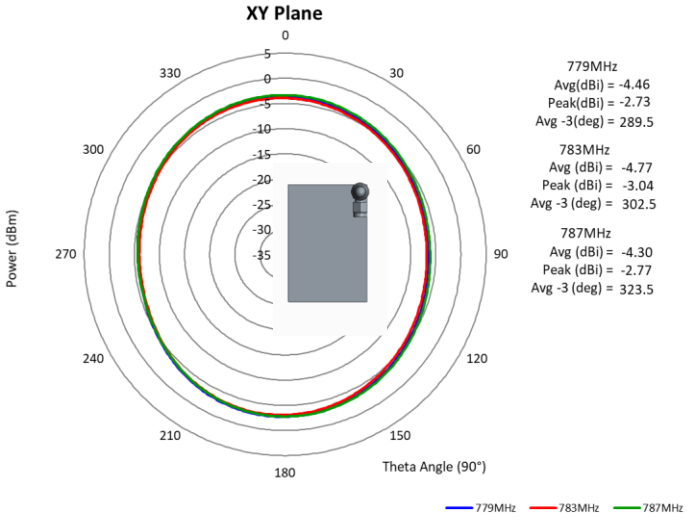
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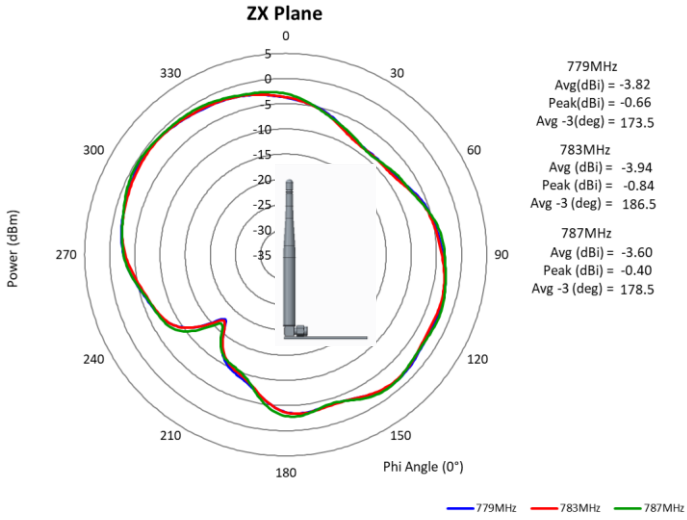
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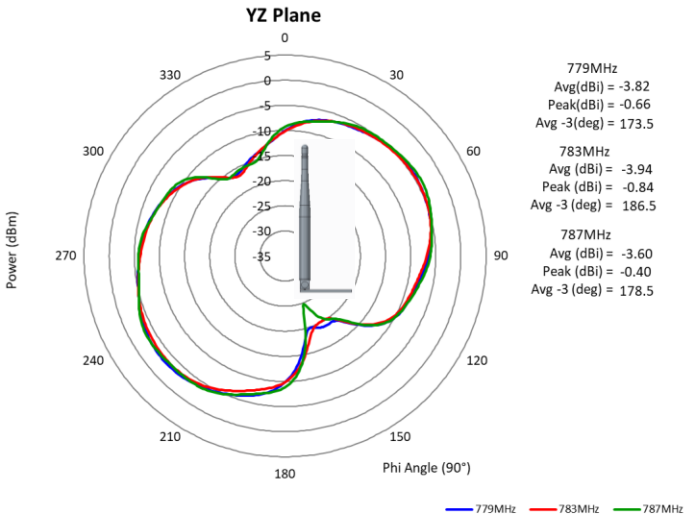
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CHARTS

Radiation Pattern 2D







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PACKAGING

20PCS / PE Bag, 800PCS / Box

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