

TECHNICAL DATA SHEET

Description:

470-510 MHz RA Stick Dipole - SMA-M

PART NUMBER: W1099



Features:

- Frequency 470-510MHz
- Gain 1dBi
- Length 128mm
- Connector SMA-Male
- IP42
- RoHS Compliant

Applications:

- China ISM radios operating on 470-510MHz 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. CONFIDENTIAL AND PROPRIETARY INFORMATION

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Description:

470-510 MHz RA Stick Dipole – SMA-M

PART NUMBER: W1099

Series: Stick Antenna

ELECTRICAL SPECIFICATIONS

Antenna Type Dipole

Frequency 470-510MHz

Nominal Impedance 50 Ω

VSWR 3:1(MAX)

Radiation Pattern Omni

Gain 1dBi(typical)

Efficiency 65%(typical)

Polarization Vertical Power Withstanding 5W

MECHANICAL SPECIFICATIONS

Overall Length 128 mm

Weight 15.9 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



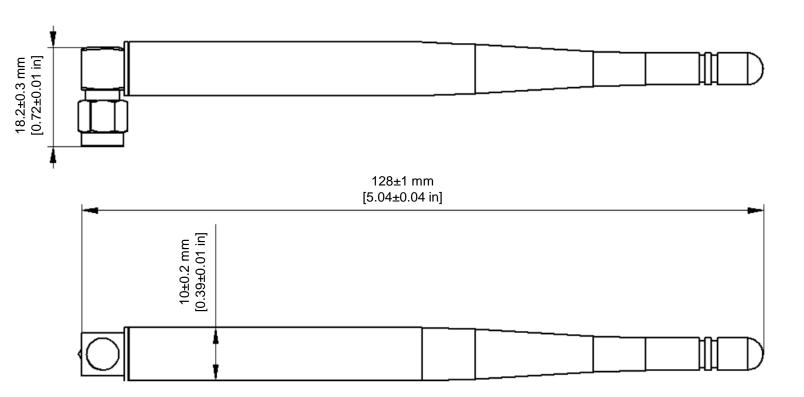
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MECHANICAL DRAWING





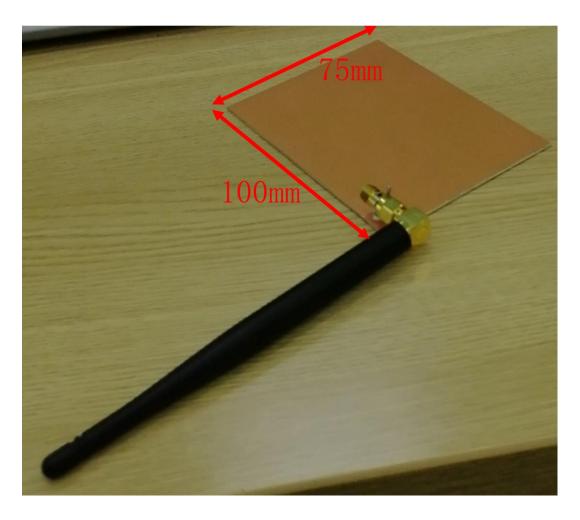
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TEST SETUP



Test with a 100mm*75mm ground plane in free space.



Description:

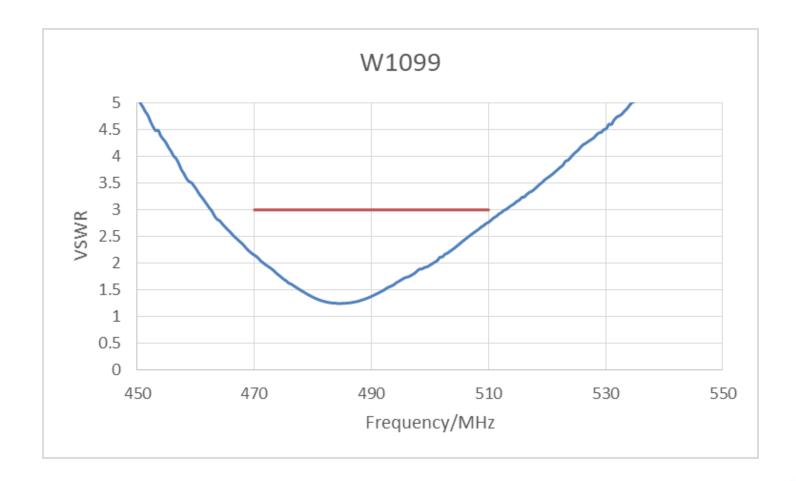
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CHARTS

VSWR vs Frequency

Series: Stick Antenna







TECHNICAL DATA SHEET

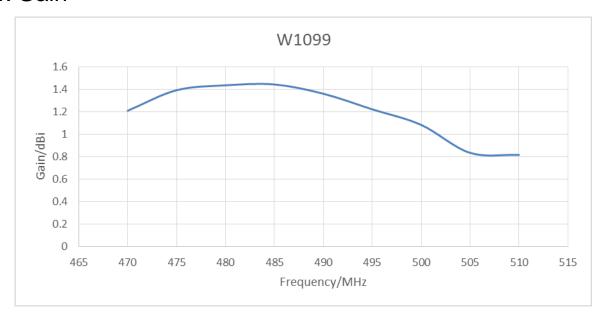
Description:

470-510 MHz RA Stick Dipole - SMA-M

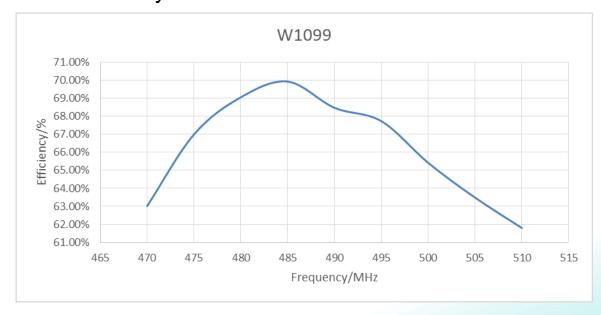
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CHARTS

Peak Gain



Radiation Efficiency



Issue: 1850



Description:

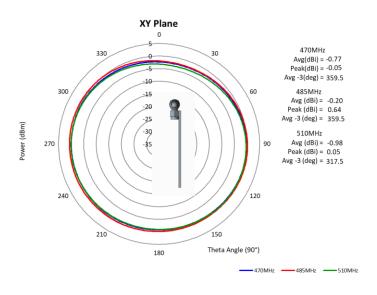
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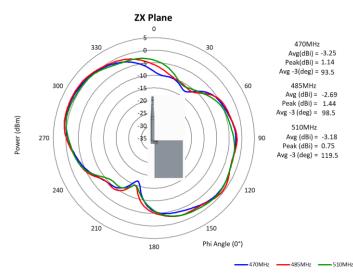
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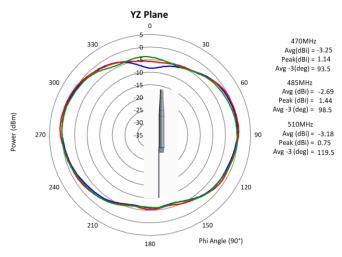
CHARTS

Radiation Pattern 2D

Series: Stick Antenna









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PACKAGING

20PCS / PE Bag, 800PCS / Box

