

Series: Stick Antenna

Description:  
**779-787MHz Dipole Antenna**  
PART NUMBER: **W1089**



### Features:

- Antenna type: Dipole
- Frequency 779-787 MHz
- VSWR 2:1
- Gain 1.5 dBi
- Efficiency 75 %
- Length 179 mm
- Connector SMA Male
- IP rating IP65
- RoHS Compliant

### Applications:

- 779-787MHz radios
- Lora

All dimensions are in mm / inches

Issue: 1835

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	Half Wave Dipole Antenna
Frequency	779-787 MHz
Nominal Impedance	50 $\Omega$
VSWR	2.0 Max
Radiation Pattern	Omni
Gain	1.5 dBi
Efficiency	>75 %
Polarization	Vertical
Power Withstanding	1 W

**MECHANICAL SPECIFICATIONS**

Plastic radome	TPEE
Overall Length	179mm/7.047 inches
Weight	16.6g
Antenna Color / Material	Black
Connector type	Straight SMA (male body, male Pin)

**ENVIRONMENTAL SPECIFICATIONS**

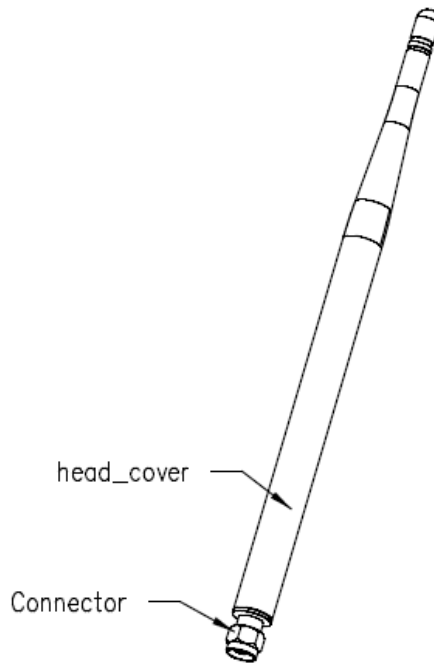
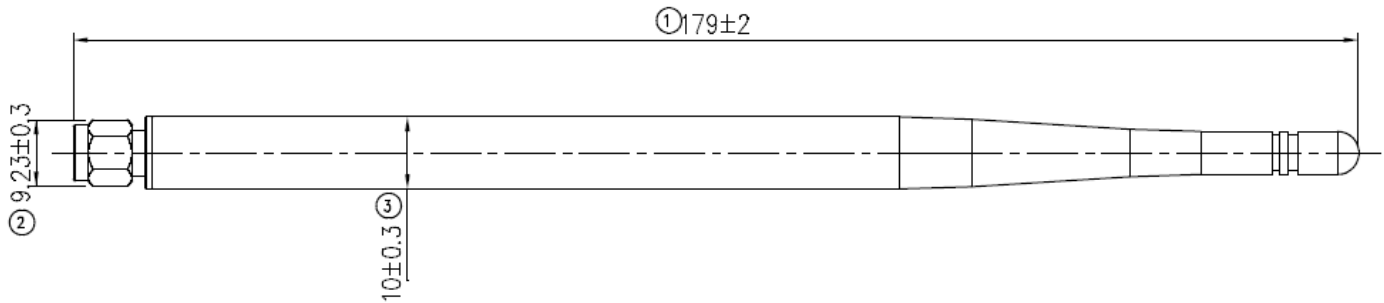
Operating Temperature	-40/+85° C
Storage Temperature	-40/+85° C
Ingress Protection	IP65
Salt mist	24hours
RoHS Compliant	Yes

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MECHANICAL DRAWING



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CHARTS

Test in free space.



Voltage Standing-Wave Ratio



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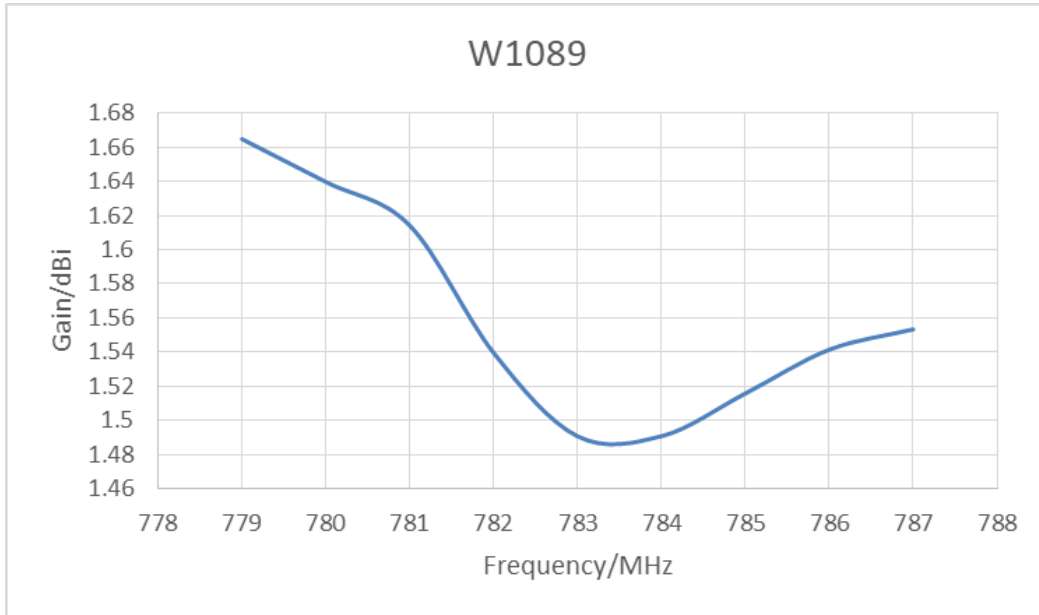
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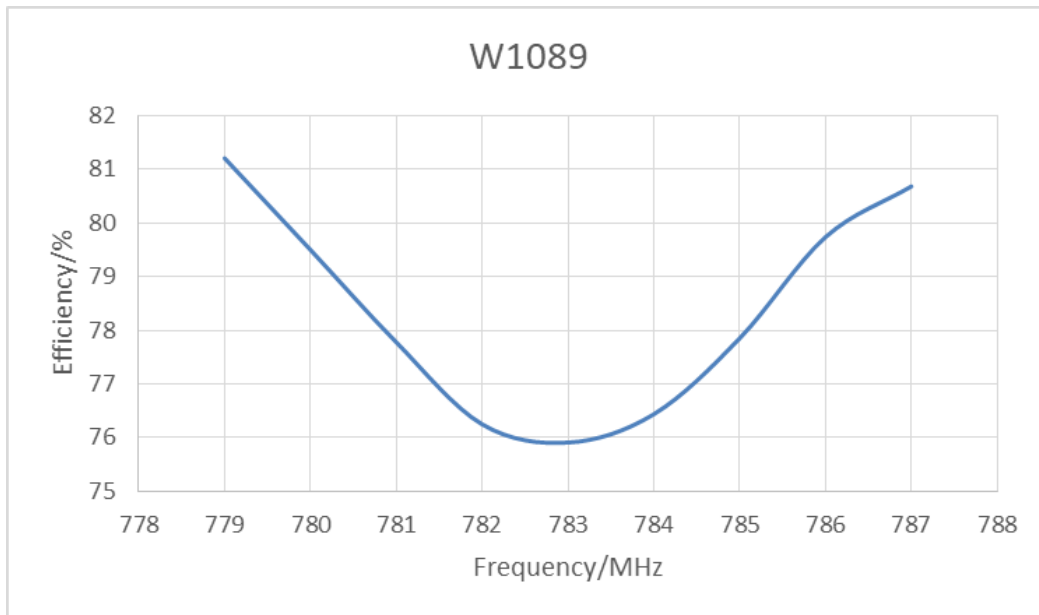
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CHARTS

Peak Gain



Radiation Efficiency



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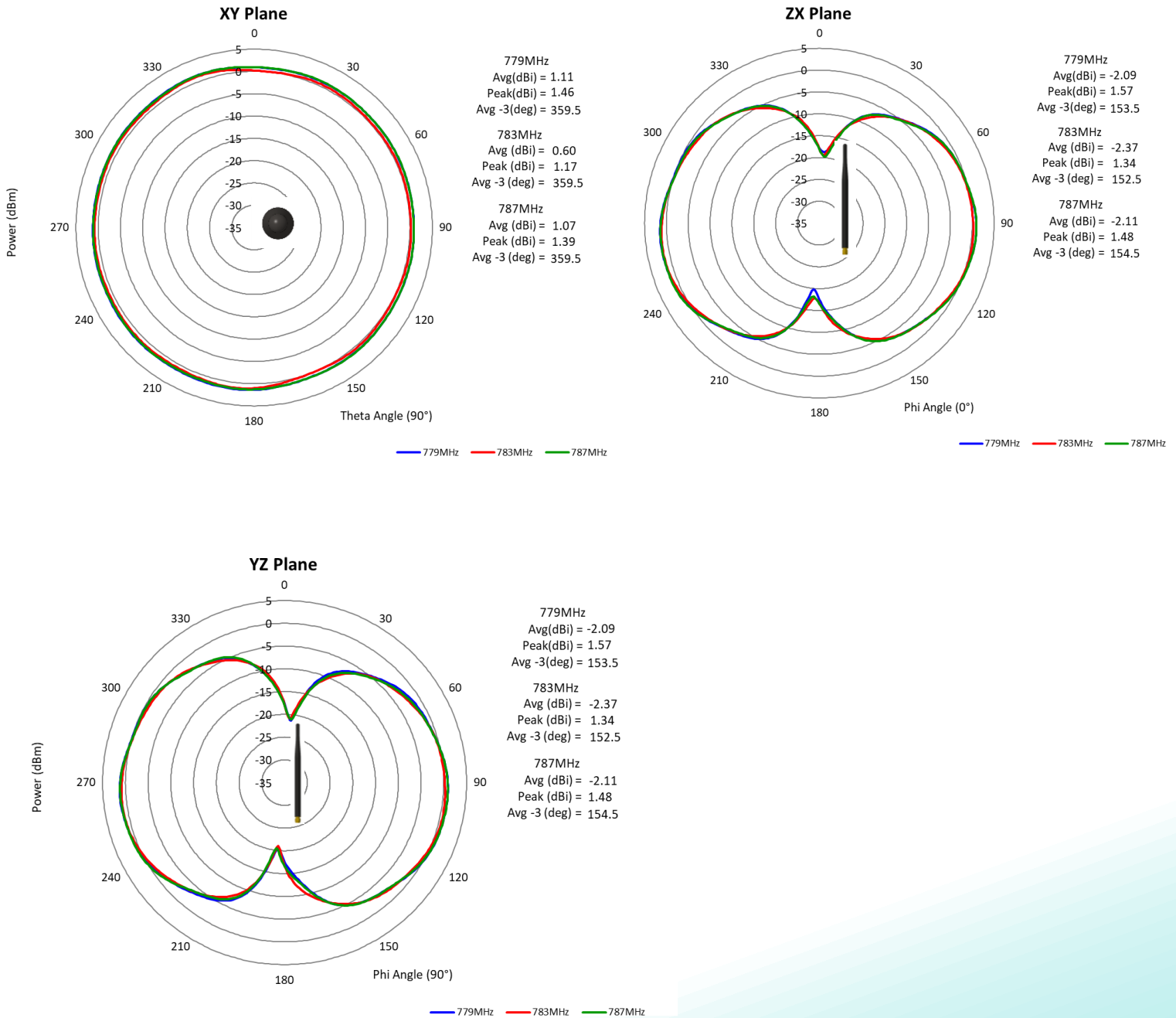
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CHARTS

Free Space Radiation Patterns



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## PACKAGING

**Quantity:**

10pcs Antenna Per PE bag

600 pcs Antenna Per Box