

Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028X

**Features:**

- WiFi Dual-Band
- DSRC
- Multi banded 2.4/5-7GHz
- IP65
- P/N W5028:
 - R/A RP SMA 128.05mm
- P/N: W5028RPG:
 - RP SMA 130mm

Applications:

- WiFi-6E (2.4GHz, 5-7GHz), Zigbee, BLE/BT,
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

Issue: 2103

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

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ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-7.125GHz	
Nominal Impedance	50Ω	
Return Loss		
	2.4-2.5GHz	<-10dB
	5.15-7.125GHz	<-6dB
Peak Gain		
	2.4-2.5GHz	1.5dBi +/-0.5 dB
	5.15-7.125GHz	2.2dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane	
Polarization:	Vertical	
Power withstanding	1W	
Connector type		
W5028	Right Angle RP SMA male	
W5028RPG	Straight RP SMA male	

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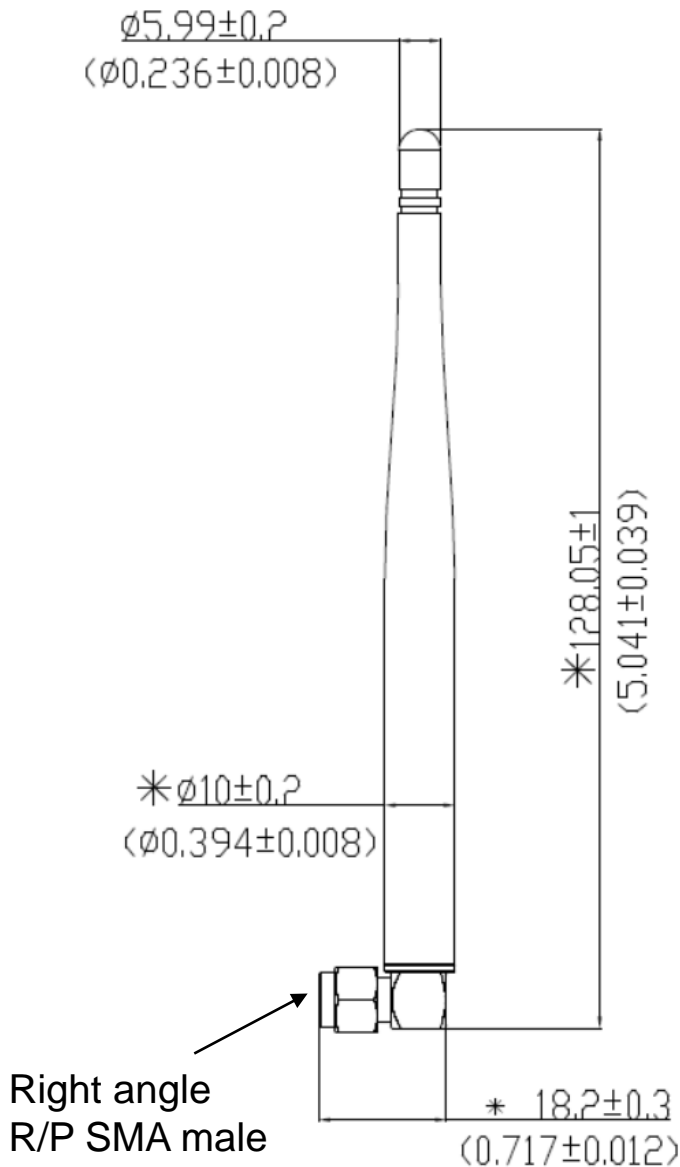
MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
IP Rate	IP65
Weight	
W5028	16.65 g
W5028RPG	12.6 g
Overall Length	
W5028	128.05 mm
W5028RPG	130 mm

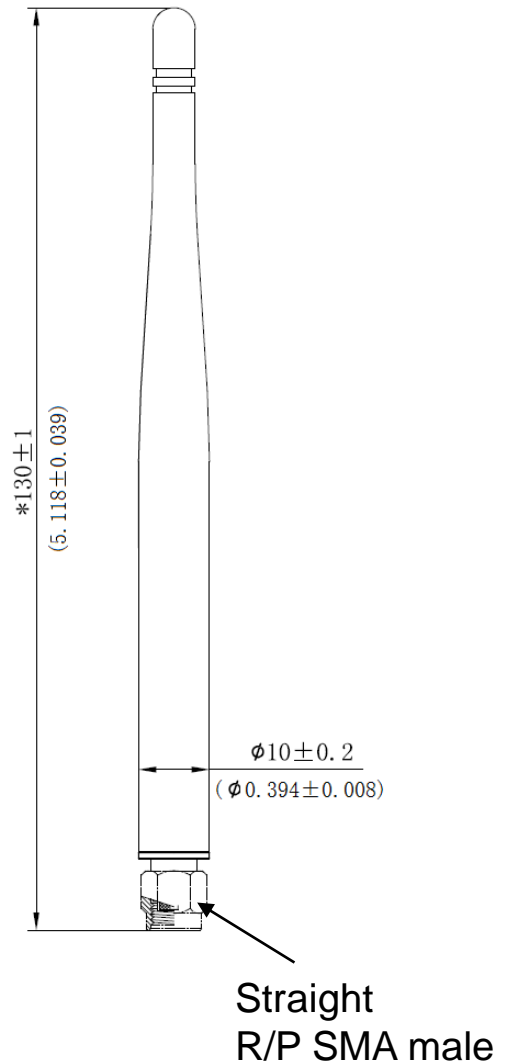
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+80° C
Storage Temperature	-40/+85° C

MECHANICAL DRAWING



W5028



W5028RPG

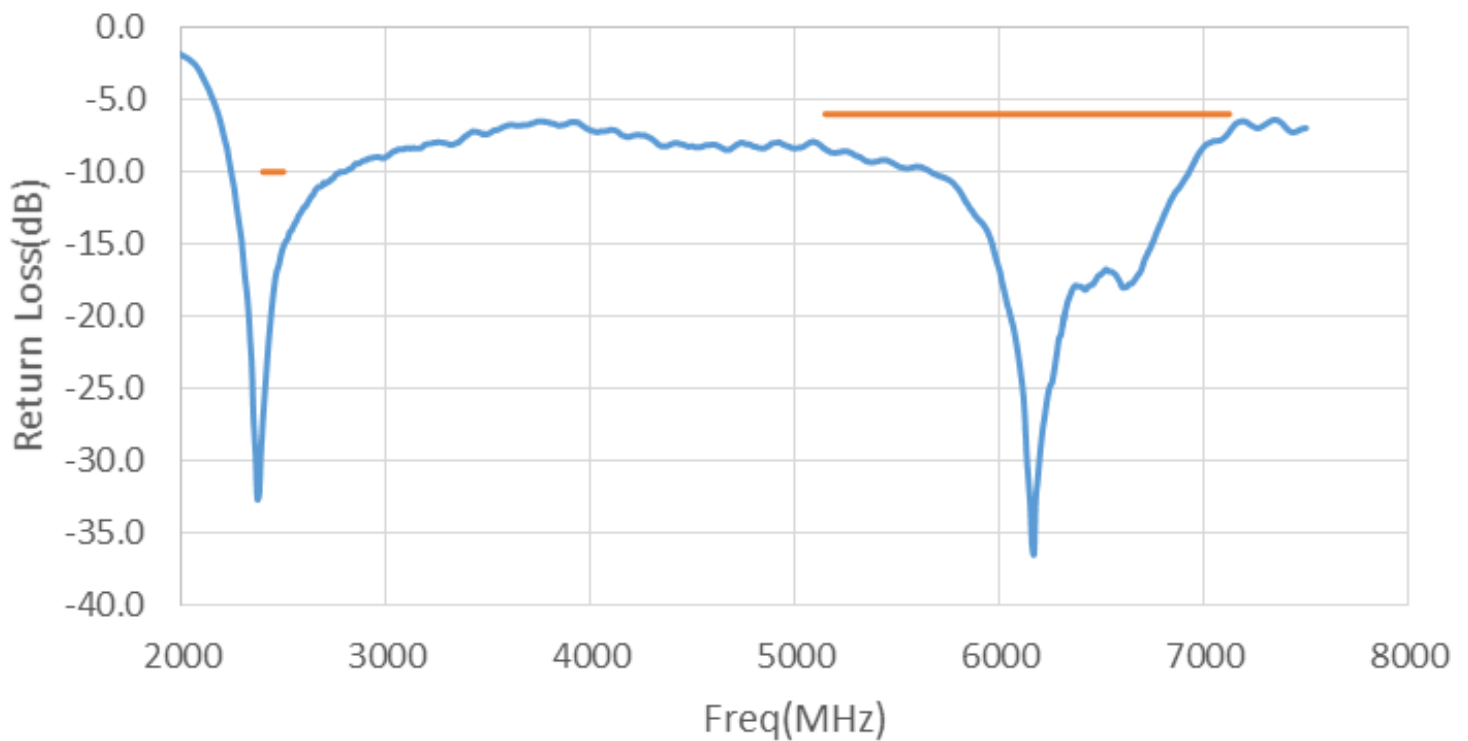
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CHARTS

Return Loss



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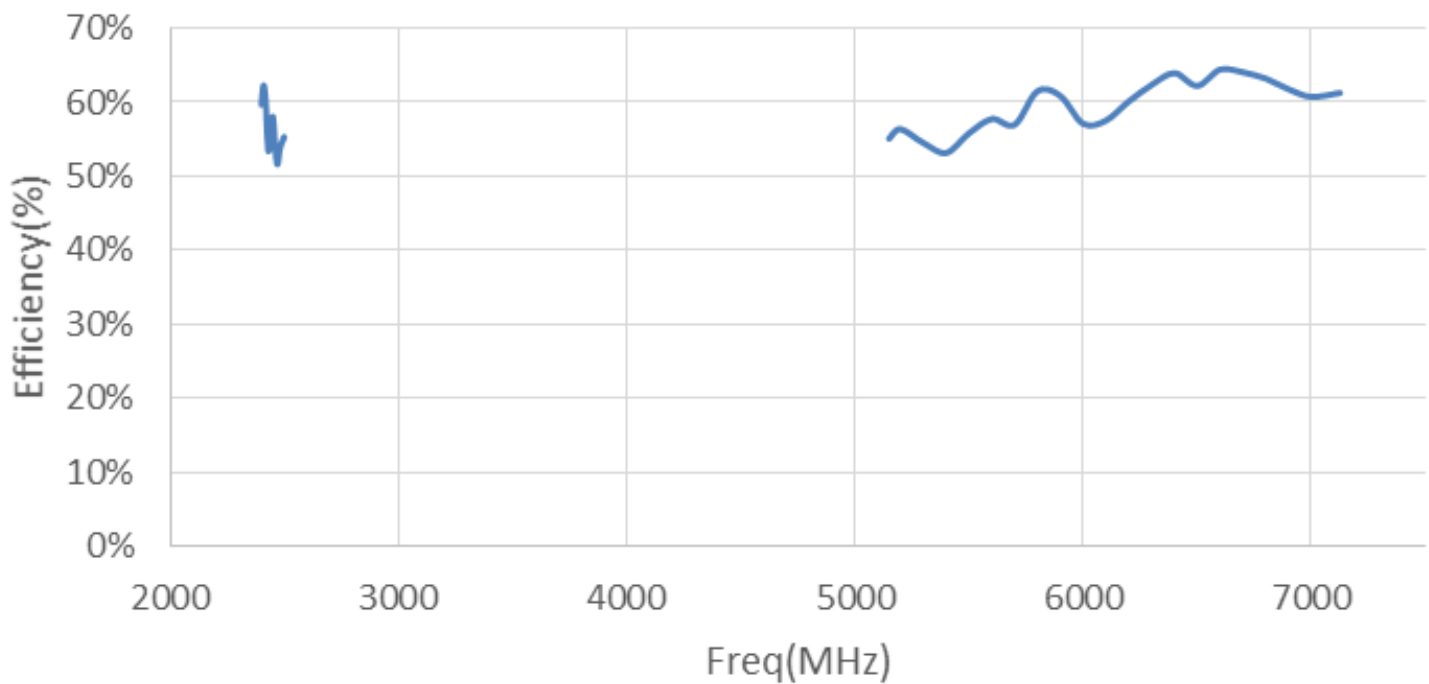
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CHARTS

Efficiency(%)



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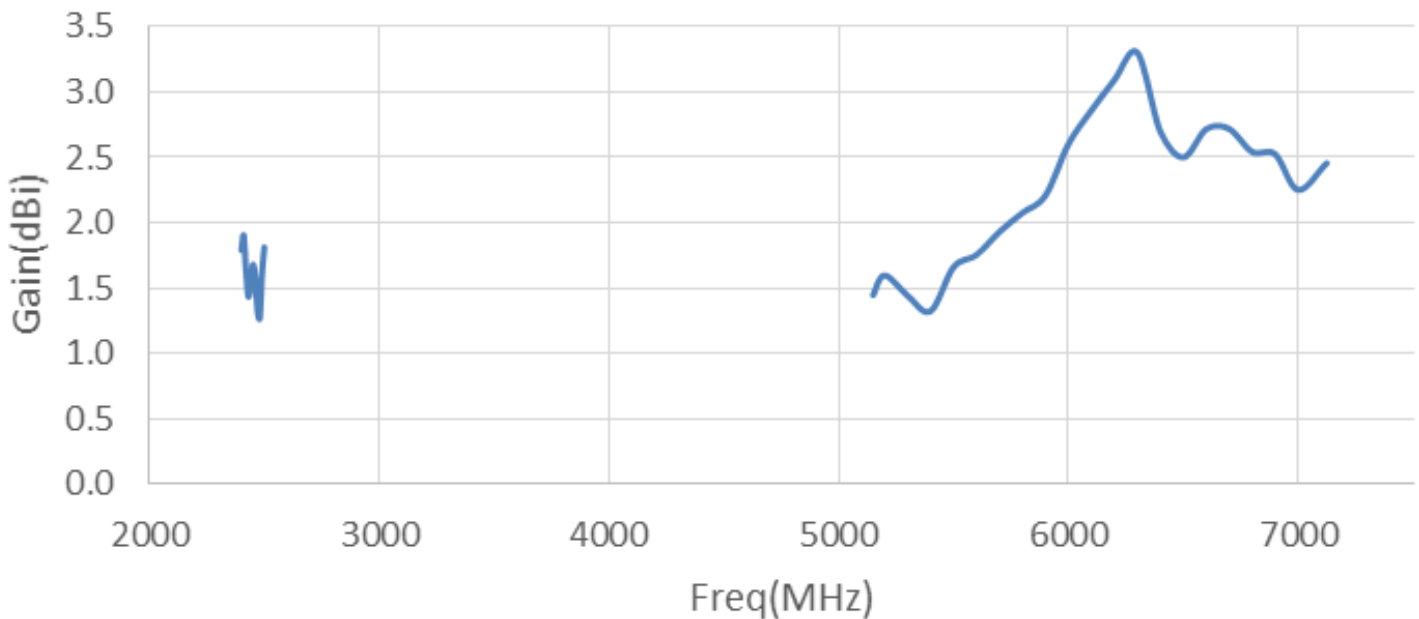
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CHARTS

Peak Gain (dBi)



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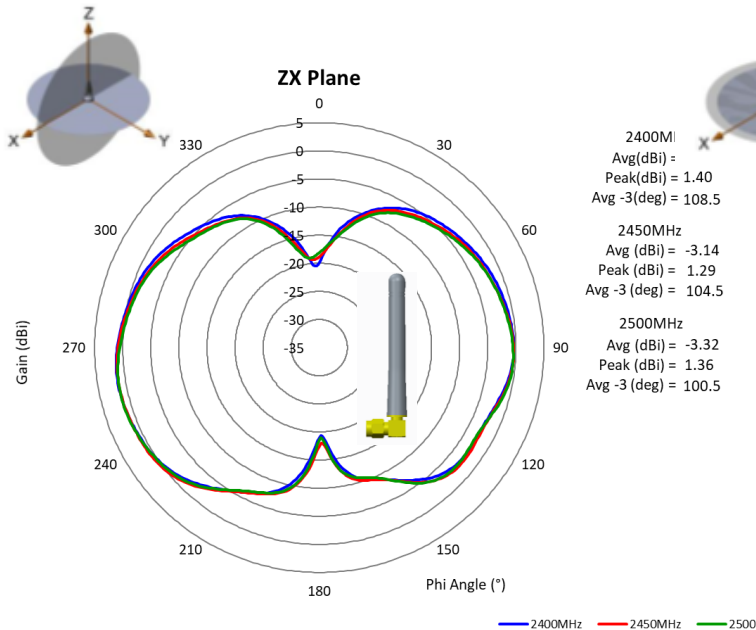
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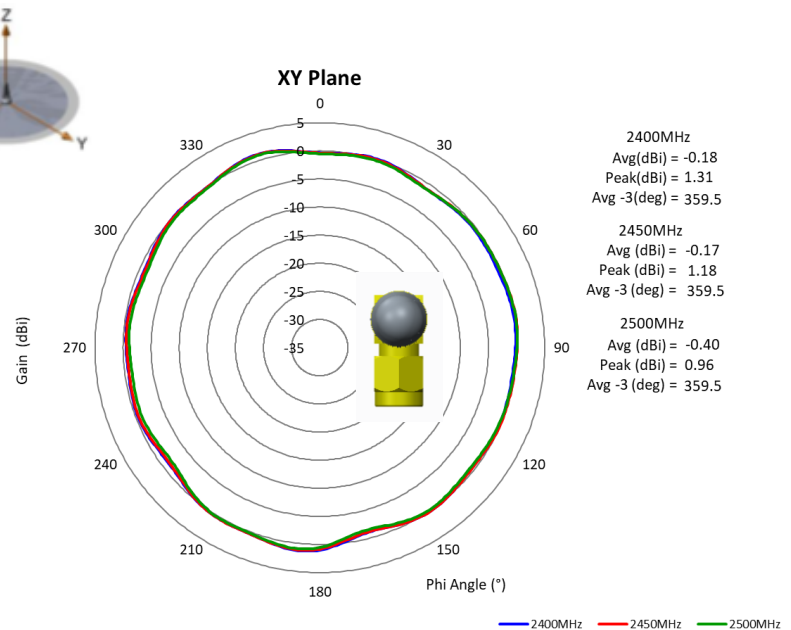
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



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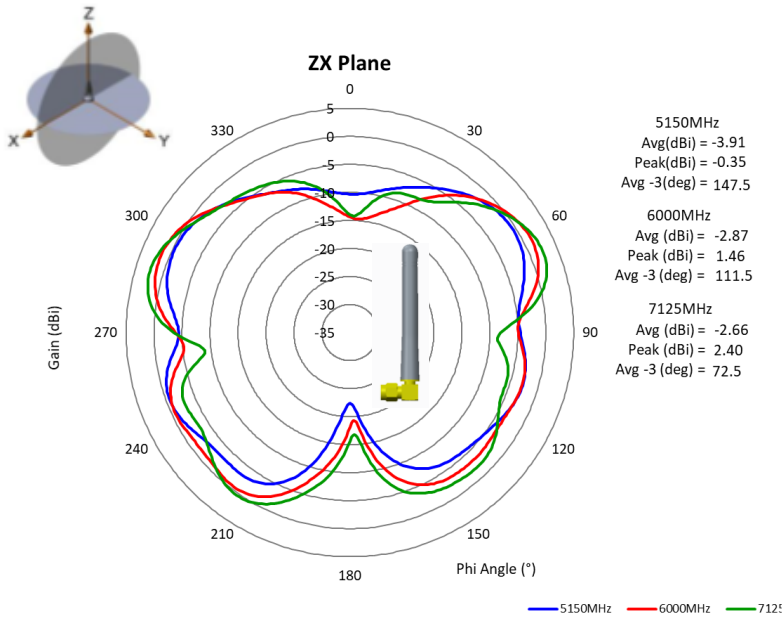
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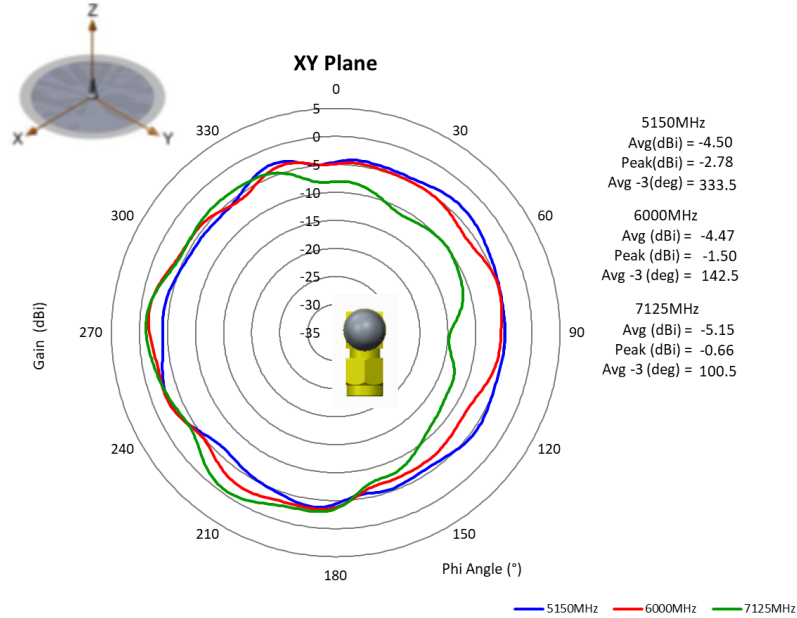
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20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

Mouser Electronics

Authorized Distributor

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Pulse:

W5028