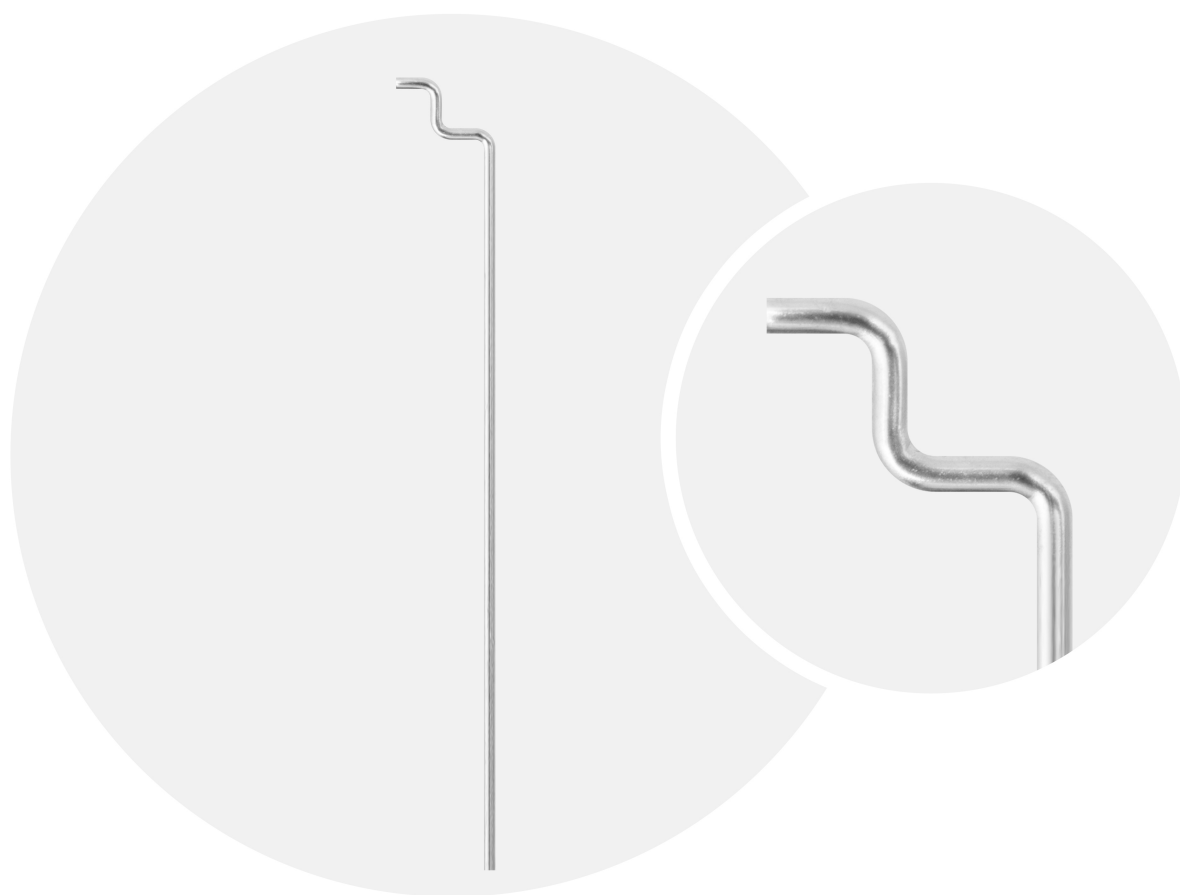


INTERNAL 915 MHZ

SOLDERING, MONOPOLE ANTENNA

   895-935 MHz



PN: M04-0103240R0A

Dimensions: Ø1.2 mm, 72.6 x 7.4 mm





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1 FEATURES & BENEFITS

- Light Weight
- Nickel-Plated
- Easy Installation
- Good compatibility, Sensitive signal reception, Excellent stability
- Reduced Cost and Time-to-Market

2 APPLICATIONS

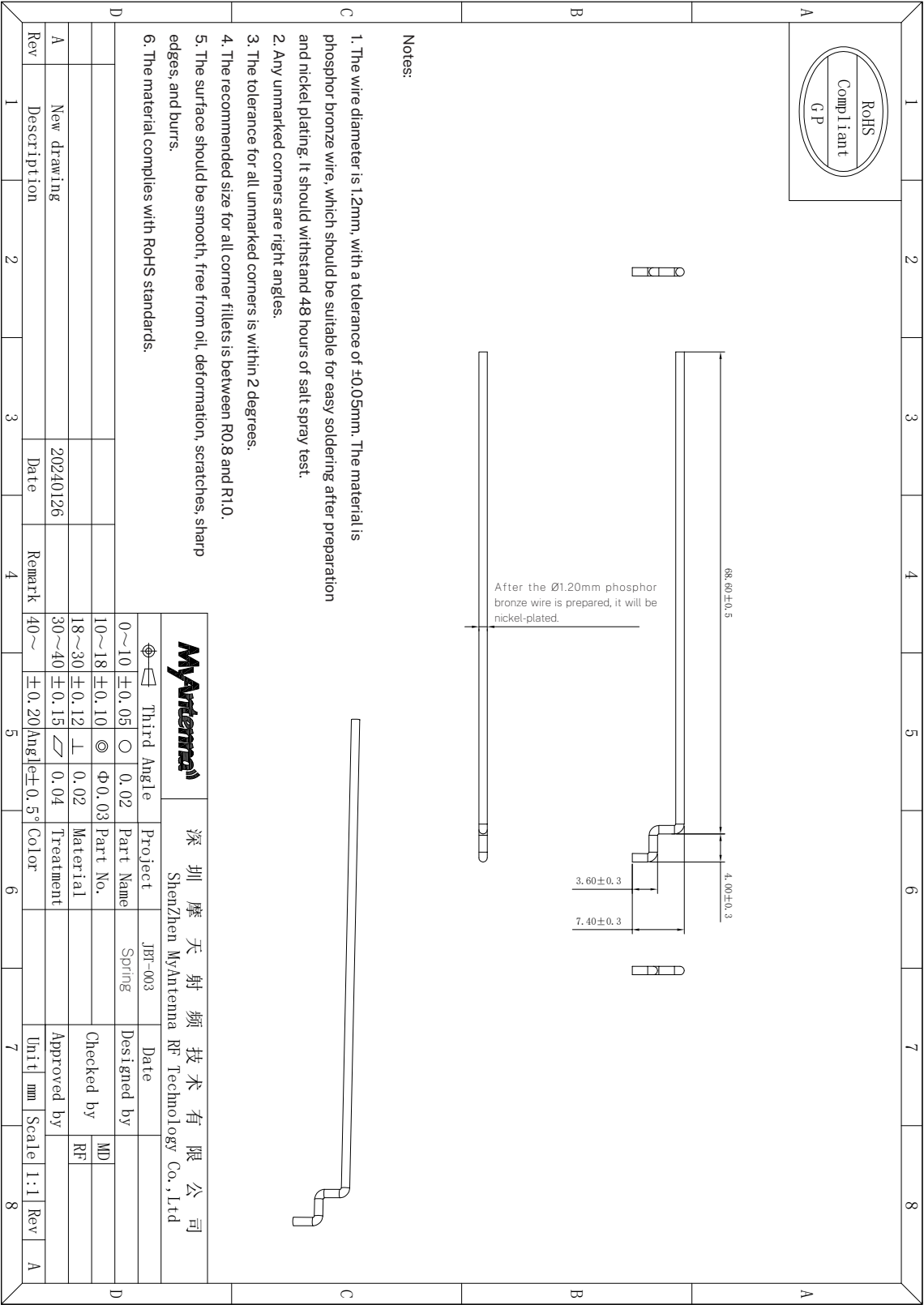
- Automated Meter Reading
- Wireless Sensor Networks
- Home and Building Automation
- Wireless Alarm and Security Systems
- Industrial Monitoring and Control
- Wireless M-BUS
- Internet of Things (IoT) Devices
- Smart Agriculture

3 ORDER INFORMATION

Product Name	Internal 915 MHz Soldering, Monopole Antenna
Part Number	M04-0103240R0A
Dimensions	Ø1.2mm, 72.6 x 7.4 mm
Weight	0.8g
Color	Silvery



4 MECHANICAL DIMENSIONS





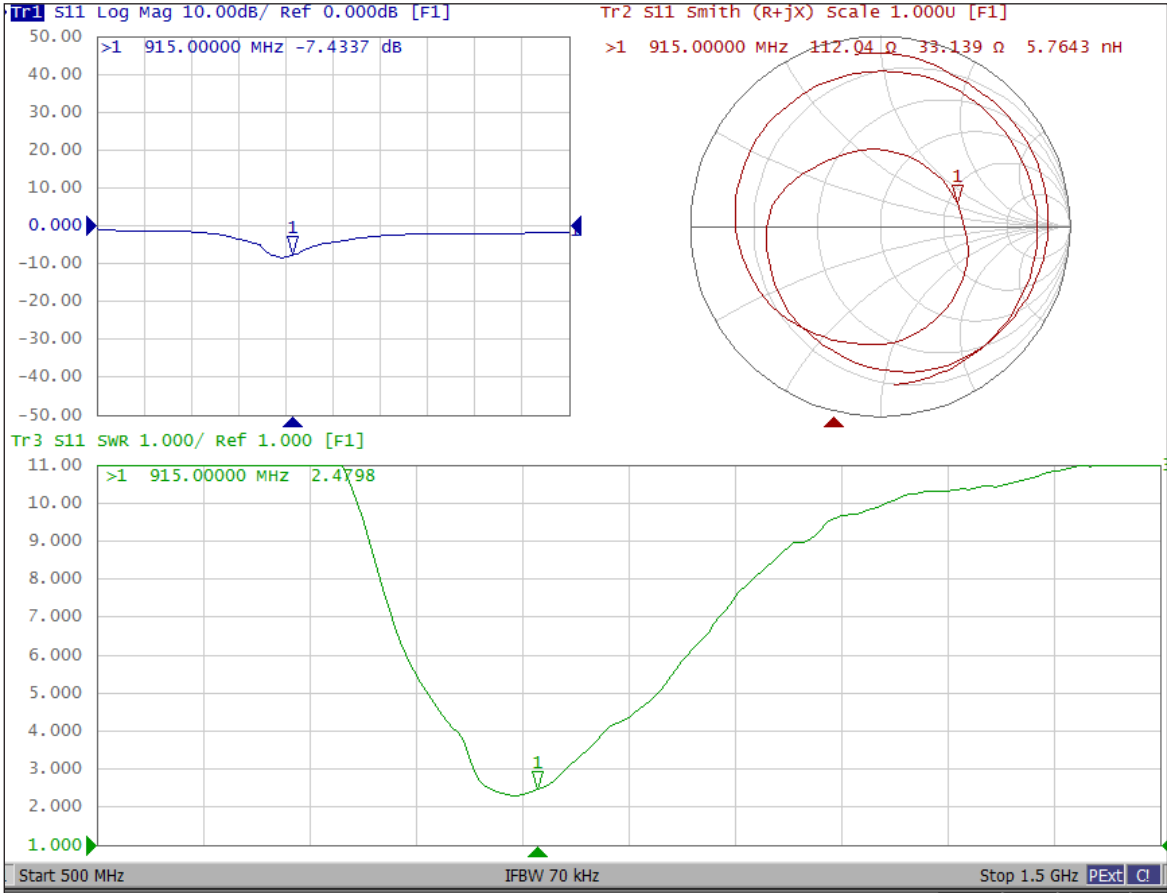
5 REFERENCE GUIDE

Technical Features	895-935 MHz
Peak Gain	Up to 0.79 dBi
Max Efficiency	51.84%
Input Impedance	50Ω
Radiation Pattern	Omnidirectional
Polarization	Linear
Operating Temperature	-40°C to +85°C
Material Substance Compliance	RoHS Compliant
Note: All Data were measured with an evaluation board of 123 x 98 x 1.2 mm. All data might vary with applications.	



6 ELECTRICAL PERFORMANCE

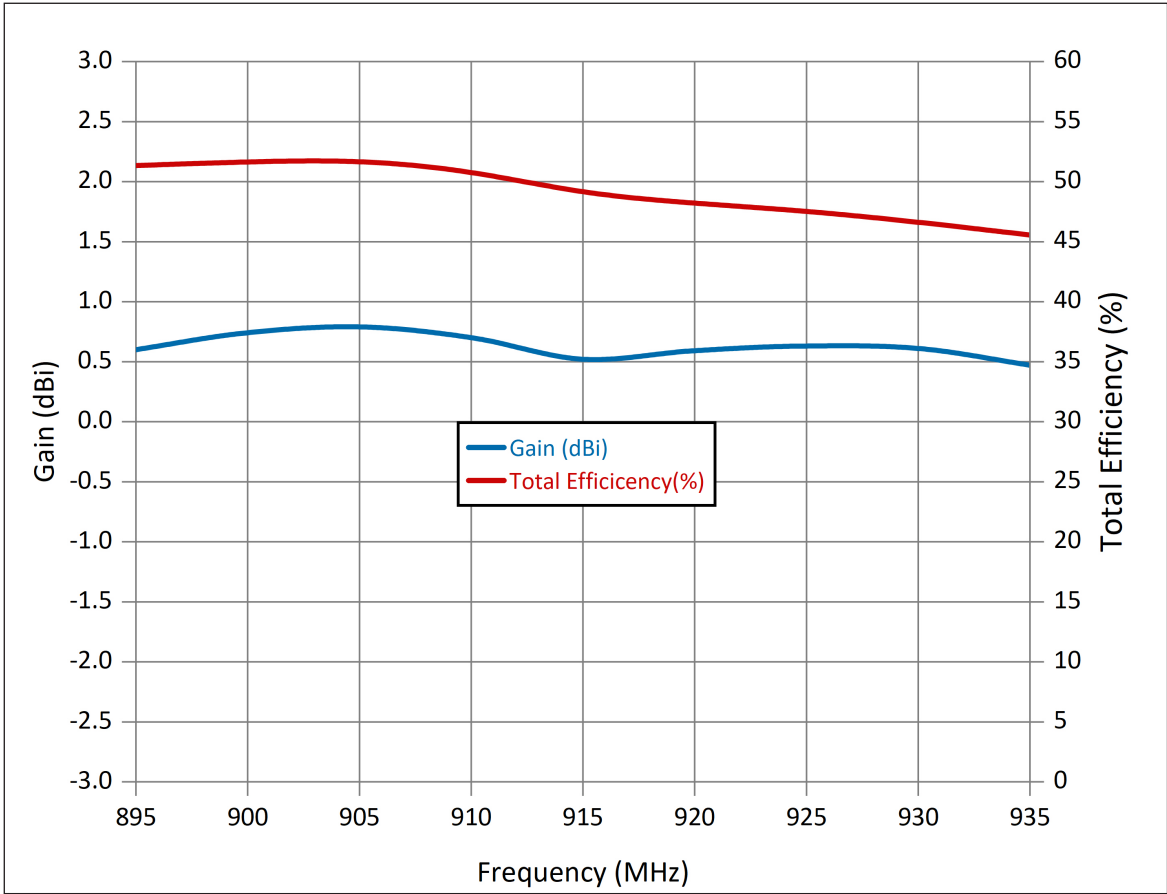
6.1 S11 (dB)



Note: Data tested with an evaluation board of 123 x 98 x 1.2 mm



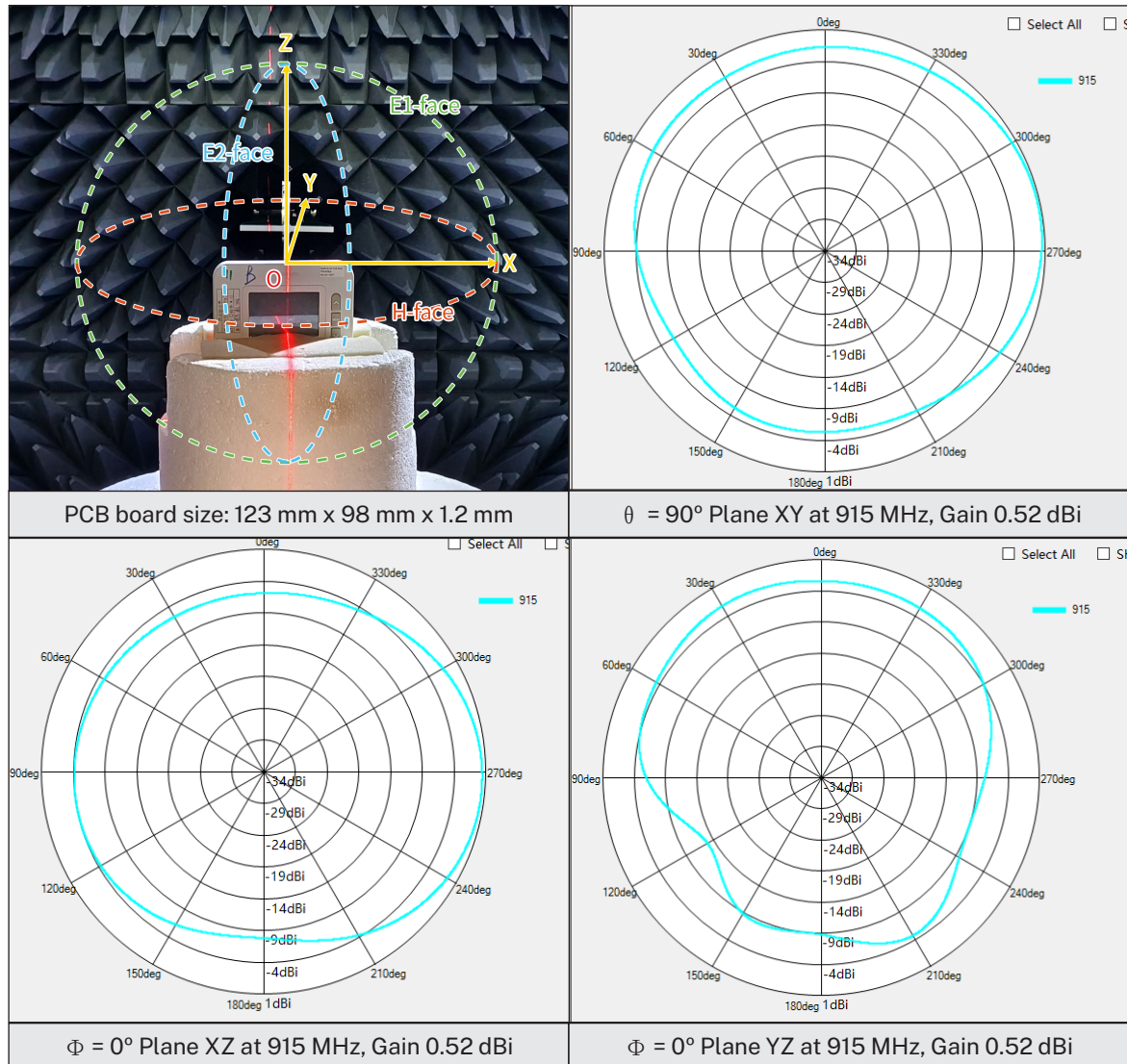
6.2 Gain (dBi) and Total Efficiency (%)



Note: Data tested with an evaluation board of 123 x 98 x 1.2 mm

Frequency (MHz)	Efficiency (%)	Gain (dBi)
895	51.34	0.6
900	51.66	0.74
905	51.84	0.79
910	50.94	0.7
915	48.96	0.52
920	48.19	0.59
925	47.57	0.63
930	46.63	0.61
935	45.55	0.47

6.3 Radiation Patterns (915 MHz)



Note: Data tested with an evaluation board of 123 x 98 x 1.2 mm

www.smdantenna.com

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