

Antenna Technical Specification Sheet

1. Summary

Project	Specifications
Antenna Type	Internal Antenna
Frequency range	315MHz – 433MHz
Input impedance	50Ω
Working temperature	-50℃ ~ +150℃

2. behaviour of electricity

Parameter	Specifications
Frequency range	315MHz – 433MHz
Input impedance	50Ω
Voltage Standing Wave Ratio (VSWR)	≤ 2.0
Gain(Antenna Gain)	≥ 0dBi

3. Environmental Reliability Testing

Test Description	Test Procedures and Conditions	Test Requirements
Humidity-Temperature Cycling Test	(DecayTestConditions) : Temperature: -20 °C–80 °C: Humidity: 0%–90% Duration: Indoor – 72 hours; Outdoor – 96 hours	1. Good appearance (No evidence of damage) 2. Electrical performance shall comply with the product specifications (The electrical performance shall meet the specified requirements).
High-temperature test	Test condition (DecayTestConditions) : Temperature: 60 °C–150 °C Duration: 72 hours indoors Outdoor: 96 hours	1. Good appearance (No evidence of damage) 2. Electrical performance shall comply with the product specifications (The electrical performance shall meet the specified requirements).

Low Temperature Test	Test condition (DecayTestConditions) : Temperature: -20 °C–50 °C Duration: 72 hours indoors; 96 hours outdoors	1. Good appearance (No evidence of damage) 2. The electrical performance complies with the product specification requirements (The electrical performances should meet the spec.specified)
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4. Antenna Dimensions Diagram

