

Antenna Cable

YM0013AA Datasheet

Antenna Services

Version: 1.1

Date: 2021-03-29

Status: Released



Build a Smarter World

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About the Document

Revision History

Version	Date	Author	Note
1.0	2020-09-11	Kenny YIN	Initial
1.1	2021-03-29	Kenny YIN	Added physical pictures.

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1 Product Description

The antenna is designed for superior performance and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- Low loss



3 Product Specifications

3.1. Cable Construction

Item	Material	Diameter (mm)
Conductor	Silver plated copper wire	0.24
Insulator	FEP	0.7
Shield	Tinned copper wire	0.92
Jacket	PVC	1.13

3.2. Electrical Properties and Mechanical Properties

Item	Value
Impedance	50 \pm 2 Ω
Operating Frequency	0–6000 MHz
Return Loss	\geq 20 dB
Insertion Loss	500 MHz: -0.35 dB
	1000 MHz: -0.59 dB
	1500 MHz: -0.7 dB
	2000 MHz: -0.82 dB
	2500 MHz: -0.95 dB
	3000 MHz: -1.07 dB
	3500 MHz: -1.18 dB
	4000 MHz: -1.3 dB
	4500 MHz: -1.41 dB
	5000 MHz: -1.53 dB
Screening Effectiveness	500 MHz – 1 GHz: \geq -50 dB
	1–3 GHz: \geq -60 dB
	3–6 GHz: \geq -65 dB

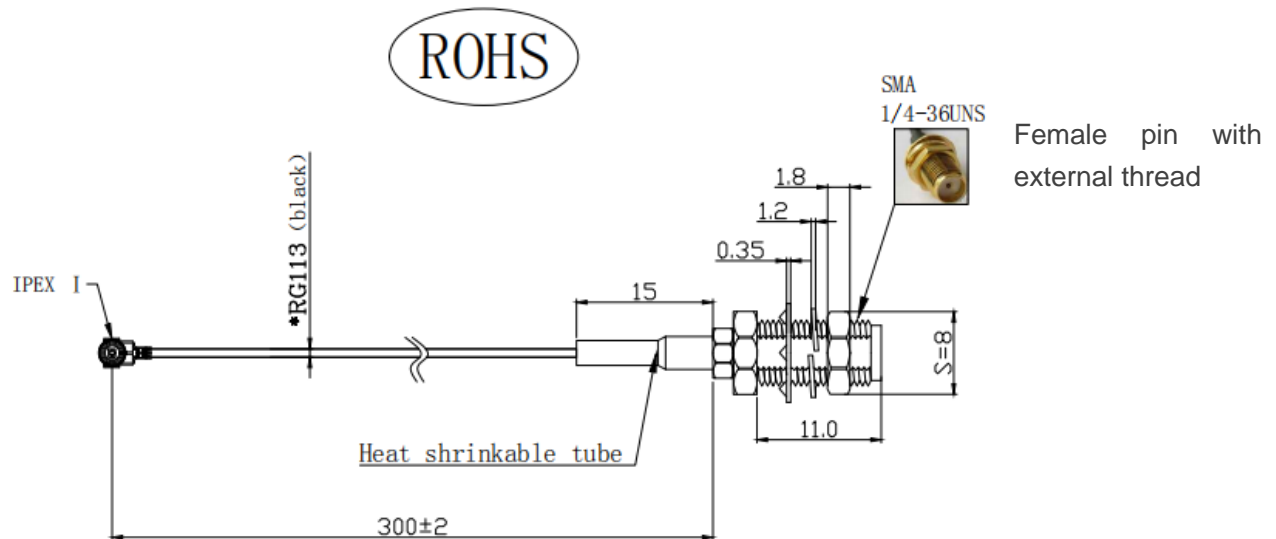
4 Overall Performance

4.1. Test Environment

- Cable/Harness Tester: WB-500, 100 kHz – 6.0 GHz



5 Product Size



Unit: mm

Mouser Electronics

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