



CABLE ASSEMBLY DATASHEET

PN: CA-RPSMAK174L-TSA-W01

Want to see the latest information? Please contact us via sales@aot-corp.com



Revision History (Required)

Revision	Date	Note
Rev. 1.0	August/06/2023	Initial Draft
Rev. 2.0	August/15/2024	Updated the package instruction

Disclaimers

The information in this document is provided in connection with AOT Antenna products and is proprietary and confidential. AOT may make changes at any time, without notice.

Please verify with AOT before finalizing a product design



1. CA-RPSMAK174L-TSA-W01 Features

AOT's CA-RPSMAK174L-TSA-W01 is pre-configured RF test cable designed for high-performance applications requiring minimal insertion and return loss. Each assembly is tested to ensure electrical and mechanical performance.

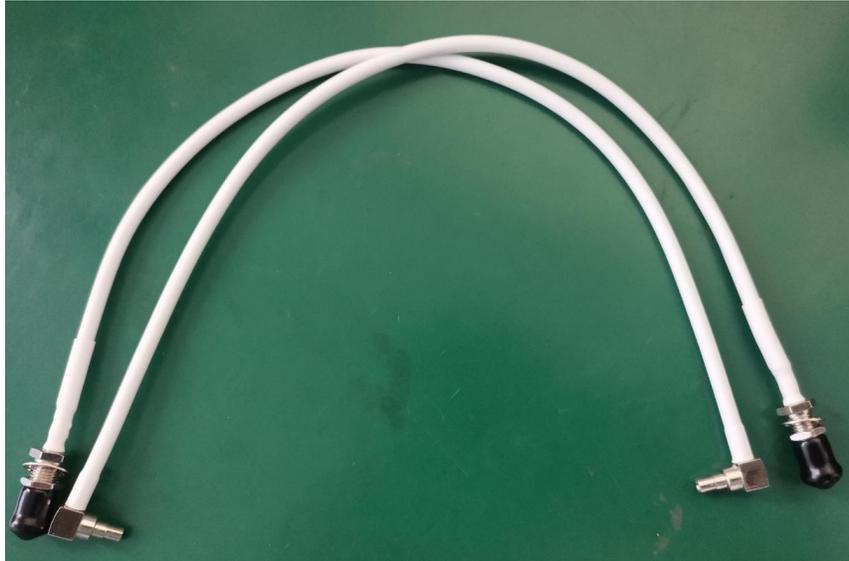


Figure 1: Model of CA-RPSMAK174L-TSA-W01 Cable Assembly

Features and Applications

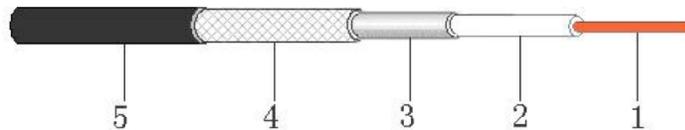
- DC to 6GHz
- High phase stability
- low loss
- ROHS compliant



2. Specifications and Interface

Connector Type	TS9-JW to RP-SMA-K
Cable Type	RG174 Low loss, Black
Frequency Range	0-6GHz
VSWR	<1.3dB
Withstanding Voltage	500 V
Isulation Resistance	1000 M Ω
Feed Impedance	50 Ω
Connector Material	Body, Ni plated
	Male Contact, Gold plated
	Insulator, PTFE
Temperature Range	Operating temperature: -40° C to +105° C
	Storage temperature: -40° C to +85° C

一、产品结构图 Structure diagram of product



二、产品规格尺寸 Size of product

序号 No.	项目 Item	结构 Structure	材质 Material	颜色 Color
1	内导体 Inner conductor	7/0.16 ± 0.01mm	裸铜丝 Bare copper	黄色 Yellow
2	绝缘层 Insulation	1.52±0.10mm	聚丙烯 PP	白色 White
3	纵包 Folia	1.60±0.10mm	铝箔 Aluminum foil	银灰色 Silver gray
4	编织 Wire braid	64*0.10 mm	镀锡铜丝 Tinned copper	银白色 silvery white
5	外护层 Jacket	2.80 ± 0.10mm	耐寒聚氯乙烯 PVC	黑色 Black



3. Assembly Drawing

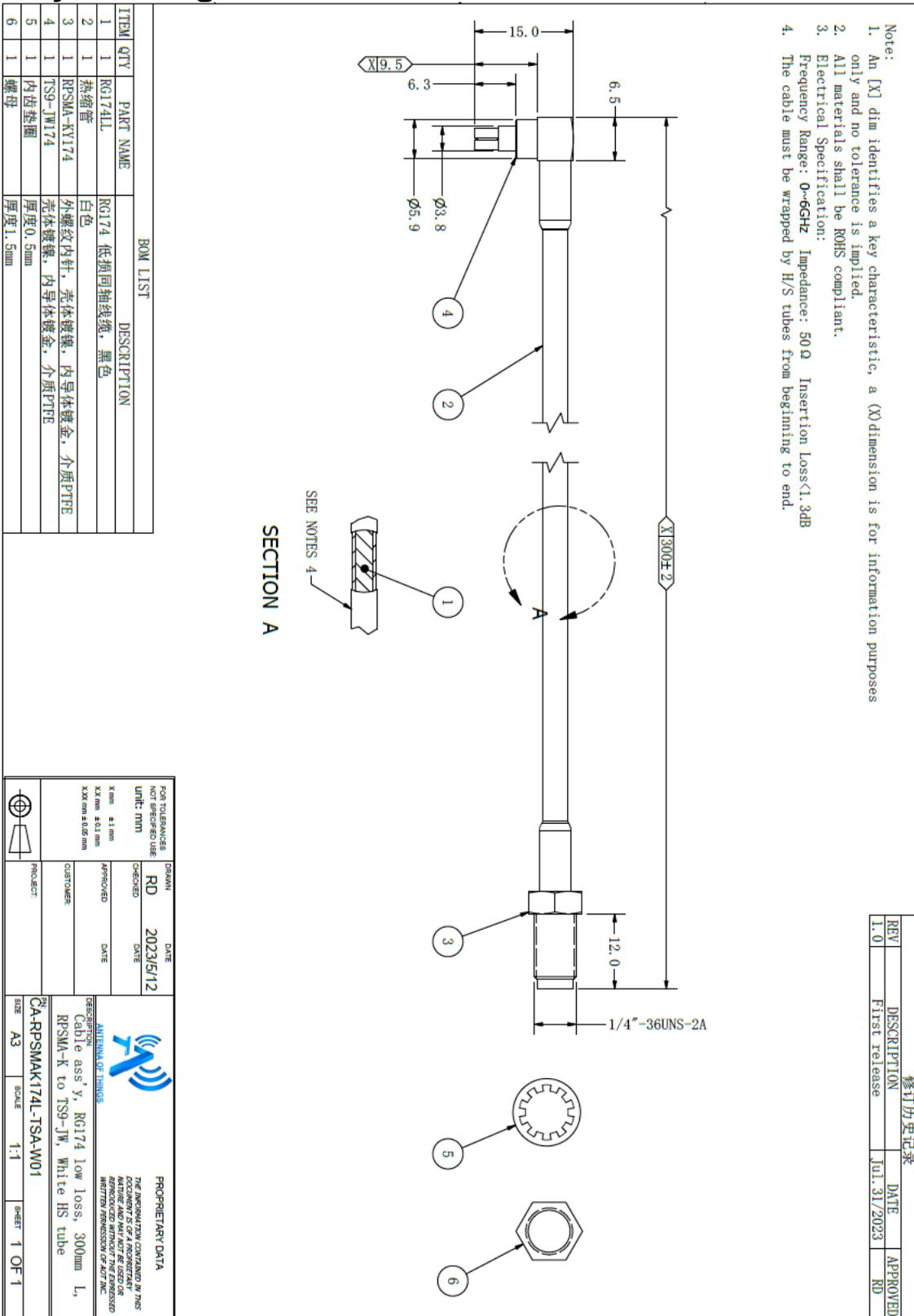


Figure 2: Model CA-RPSMAK174L-TSA-W01 Assembly Drawing