

**Product Number: RG58-SMAF-SMAM-20M**  
**Product Name: Coaxial Cable**

**Index:**

- 1. Specification**
- 2. Characteristics and Reliability Test**
- 3. Mechanical Drawing**

**Product Number: RG58-SMAF-SMAM-20M**

**Product Name: Coaxial Cable**

## 1. Specification

<b>Sample Photo</b>	
	
<b>A. Electrical Characteristics</b>	
<b>Frequency</b>	<b>DC 3 GHz</b>
<b>Impedance</b>	<b>50 Ohm</b>
<b>V.S.W.R.</b>	<b>&lt;=2.0</b>
<b>Insertion Loss</b>	<b>&lt;= -2.5dB</b>
<b>Voltage (breakdown)</b>	<b>&gt; 500V</b>
<b>B. Material &amp; Mechanical Characteristics</b>	
<b>Material of Conductor</b>	<b>Cu</b>
<b>Pull Test of SMA Connector</b>	<b>&gt;=5Kg</b>
<b>Mating Cycles</b>	<b>&gt; 500</b>
<b>C. Environmental</b>	
<b>Operation Temperature</b>	<b>- 40 °C ~ + 65 °C</b>
<b>Storage Temperature</b>	<b>- 40 °C ~ + 80 °C</b>

Product Number: RG58-SMAF-SMAM-20M

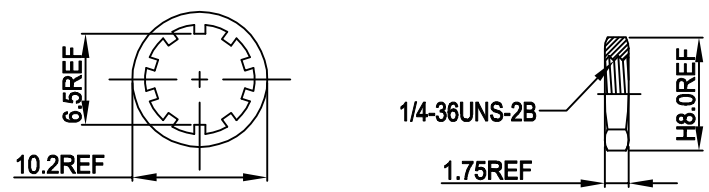
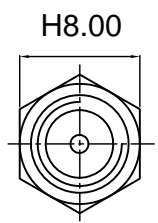
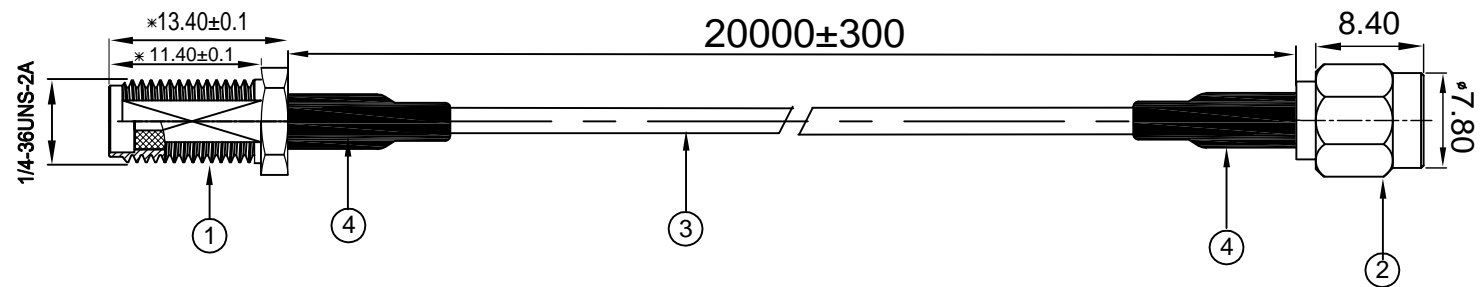
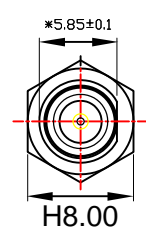
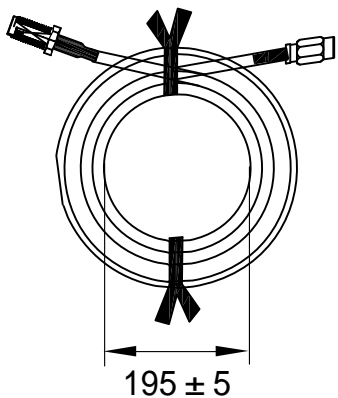
Product Name: Coaxial Cable

## 2. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements	Result
C1	V.S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
C2	Insertion Loss	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
M4	Pull Test	Holding with individual specification; force applied to axis of terminal .	1. Directive DUT specification 2. Frequency Tol.≤5%	PASS
M6	Dimension	Inspection of dimension, color, material, package, surface process.	Directive DUT specification	PASS
E2	Salt Spray	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H	1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E3	Temperature and Humidity Chamber	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E5	Aging test	GB /T 2423.2 - 2008 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2011/65/EU	PASS
R2	PFOS	With Reference to USA EPA 3550C:1996 by LC/MS	Directive RoHS 2006/122/EC	PASS

**RoHS**  
Compatible

REV.	DESCRIPTION	DATE
△		2024-12-11



5					1
4	Hot Shrink Tube	Ø 7.0mm L=20mm	Hot Shrink Tube		1
3	Coaxial Cable	RG58 Black			1
2	SMA Male	Au Plated	Cu		1
1	SMA Female	Au Plated	Cu		1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

PART NAME: RF Cable L=20M						
PART NO.: RG58-SMAF-SMAM-20M				DATE:		
APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance		
LQ		DJC		X.X ±0.50		
2024-12-11		2024-12-11		X.XX±0.15		
				X° ±3°		