

Product Number: 195-SMAF-SMAM-5M
Product Name: Coaxial Cable

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Product Number: 195-SMAF-SMAM-5M

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1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC 3 GHz
Impedance	50 Ohm
V.S.W.R.	≤ 2.0
Insertion Loss	$\leq -2.5\text{dB}$
Voltage (breakdown)	$> 500\text{V}$
B. Material & Mechanical Characteristics	
Material of Conductor	Cu
Pull Test of SMA Connector	$\geq 5\text{Kg}$
Mating Cycles	> 500
C. Environmental	
Operation Temperature	$- 40\text{ }^{\circ}\text{C} \sim + 65\text{ }^{\circ}\text{C}$
Storage Temperature	$- 40\text{ }^{\circ}\text{C} \sim + 80\text{ }^{\circ}\text{C}$

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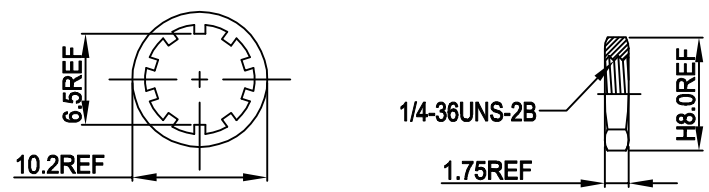
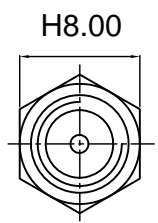
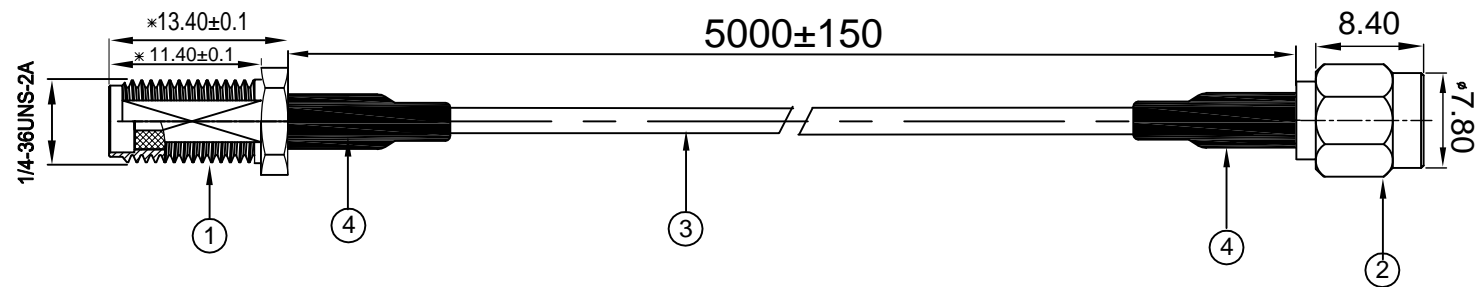
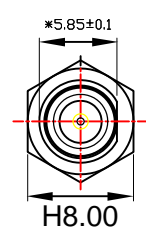
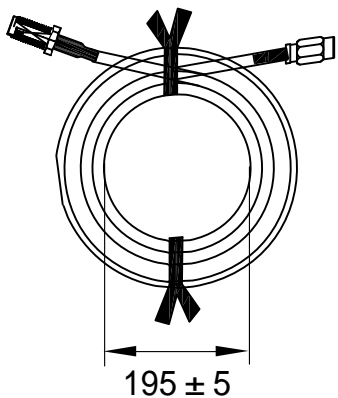
Product Name: Coaxial Cable

3. 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. $\leq 5\%$	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: $\geq 95\%$; NaCl solution: $\geq 5\%$; Time: 24H	1. No Visual Damage 2. Frequency Tol. $\leq 5\%$	PASS
E3	Temperature and Humidity Chamber	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: $\geq 90\%$; Time: 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$	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. $\leq 5\%$	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
△		2024-12-10



5					1
4	Hot Shrink Tube	Ø 7.0mm L=20mm	Hot Shrink Tube		1
3	Coaxial Cable	LMR 195 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=5M			
PART NO.: 195-SMAF-SMAM-5M			DATE:
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
LQ		DJC	
2024-12-10		2024-12-10	
		UNITS: mm	
		SCALE: 1/1	
		REVISION: A	