

## TECHNICAL DATA

1. Impedance: 50  $\Omega$
2. Temp. range: -55~+125  $^{\circ}\text{C}$
3. Durability: 500 Cycles
4. Withstanding voltage: 500 V
5. Frequency range: 0~18 GHz
6. VSWR:  $\leq 1.30$
7. Insertion Loss:  $\leq 3.75$  dB
8. Cable assembly to be 100% tested by VNA

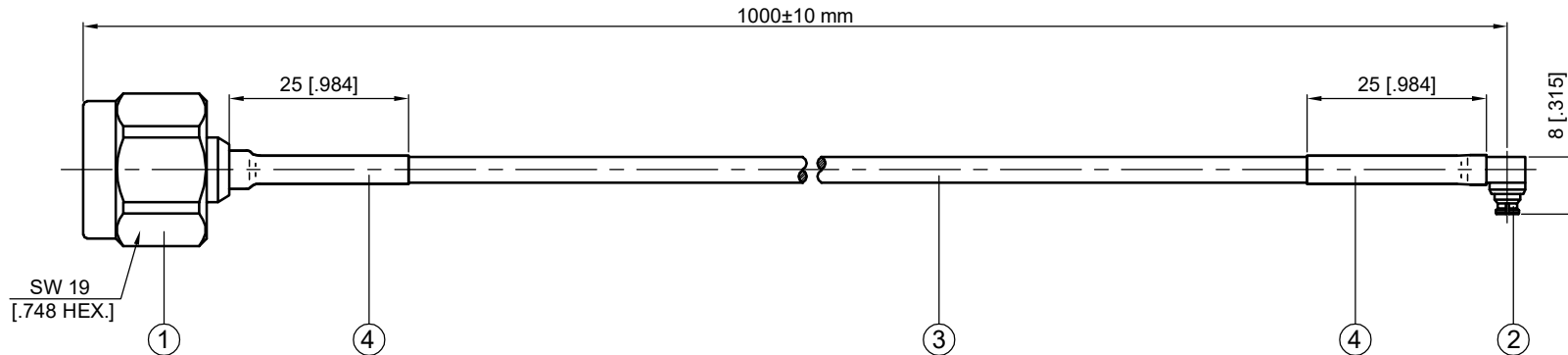
### 9. MATERIALS AND FINISHES

#### N Straight Male Connectors:

Body - Brass plated Tri-Metal  
Coupling Nut - Brass plated Nickel  
Center contact - Brass plated Gold  
Insulator - PTFE

#### SMP Right Angle Female Connector:

Body - Beryllium Copper Alloy, Gold plated  
Center Contact - Beryllium Copper Alloy, Gold plated  
Insulator - PTFE



### RoHS Compliant

#### NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

4	HSTD-4-BK	4mm Diameter Dual Wall (Adhesive/glue) Heat-shrinkable Tube	2
3	HF086	Hand Formable Coax Cable 0.086 Diameter With Tinned Braid Outer Conductor	1
2	78-12-2M11-005	SMP Right Angle Male Solder for RG405/.086 cable	1
1	50-03-2M11-382	N Straight Male Solder for RG405/.086 Cable	1
S/N	Part No.	Description	QTY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (INCHES).  
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE:

.XX  $\pm 0.13$  [.005"]  
X  $\pm 0.20$  [.008"]  
X  $\pm 0.50$  [.019"]

ANGULAR TOLERANCES ARE: ALL  $\pm 1^{\circ}$   
OVERALL CABLE LENGTH TOLERANCES ARE:  $\pm 2\%$

DO NOT SCALE DRAWING

PROJECTION:



DRAWN: L. Ma 05/20/2025  
CHECKED: J. Zhu 05/20/2025  
APPROVED: M. Dong 05/20/2025

TITLE:  
Cable Assembly, N Straight Male  
to SMP Right Angle Female,  
.086 Hand-Formable Cable, 1 Meter

**CMPter**<sup>®</sup>

Cmppter Electronics Co., Ltd. [www.cmppter.com](http://www.cmppter.com)

PART No.:  
**CA086HF-NM-SMPRAF-1M-5349**

SIZE: A4 SCALE: 1:1 SHEET: 1/1 REV: A