Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PU0090B
Part Number : MM126514

Written by: T. Namaizawa
Checked by: T. Kuriyama
Date: 10/Dec./2019

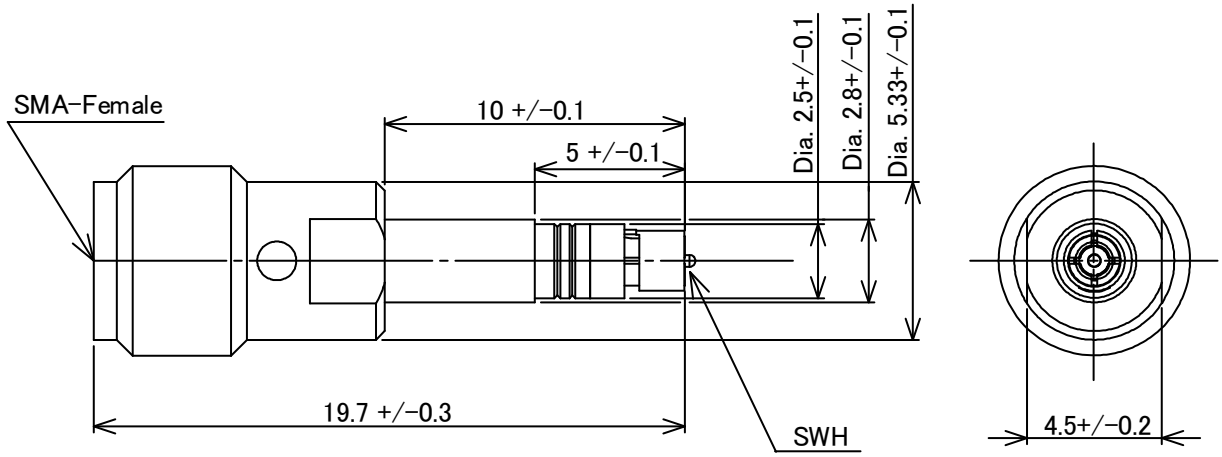
SPECIFICATION

Revised A: 2/Feb./'22 NM, B: 22/May./'23 NM

1. MECHANICAL

A>

Manual measurement probe for SWH.
MM126511 and MM126512 are used as calibration adapter.
It is not recommended to use this product in your mass production line.
Please use it in your laboratory only.



Scale: Free
Tolerance Unless Otherwise Specified: +/- 0.5
Unit: mm

Figure 1 Construction

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2. RATING:

Item	Specification
Voltage Rating	30Vr.m.s. maximum
B> Nominal Frequency Range	DC to 20GHz
Nominal Impedance	50Ω
A> Temperature Rating	25°C +/- 15°C
Insulation Resistance	500 MΩ minimum
A> Withstanding Voltage	No evidence of breakdown in AC 200V r.m.s. 1 minute
A> Initial Contact Resistance (without conductor resistance)	70mΩmax.
B> Voltage Standing Wave Ratio (V.S.W.R.) (Measured with MM126512)	1.3 Max (DC to 3GHz) 1.5 Max (3GHz to 6GHz) 1.9 Max (6GHz to 9GHz) 1.9 Max (9GHz to 12GHz) 2.2 Max (12GHz to 15GHz) 2.2 Max (15GHz to 18GHz) 2.4 Max (18GHz to 20GHz)
B> Insertion Ioss (Measured with MM126512)	0.4dB Max (DC to 3GHz) 0.6dB Max (3GHz to 6GHz) 0.6dB Max (6GHz to 9GHz) 0.8dB Max (9GHz to 12GHz) 1.0dB Max (12GHz to 15GHz) 1.0dB Max (15GHz to 18GHz) 1.2dB Max (18GHz to 20GHz)
Durability	2000 cycles
Engage and disengage force. (PROBE side only)	a. Engagement 30N maximum b. Disengagement 5N minimum 23N maximum