Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PT0012C
Part Number : MM126715

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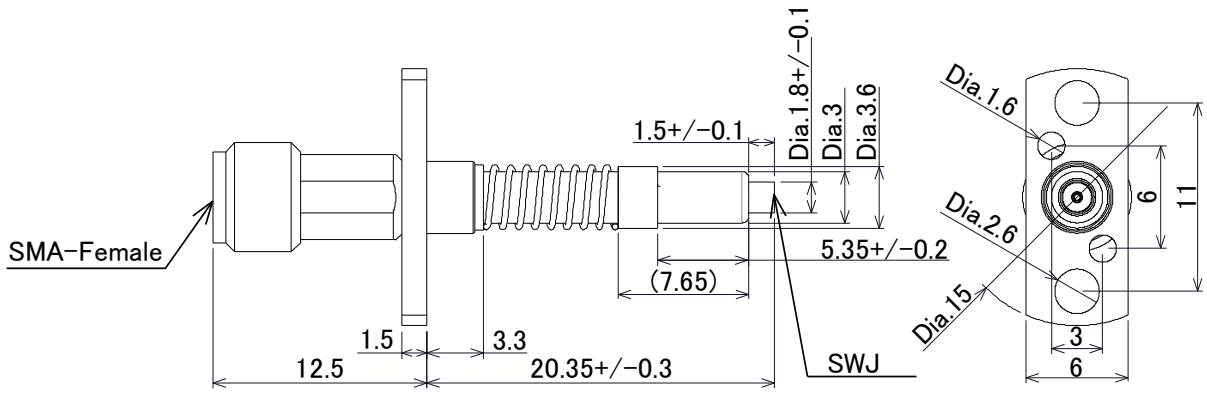
SPECIFICATION

Revised A: 20/Oct/'14 OM B: 12/Dec/'14 OM C: 26/Apr./'16 TD

1. MECHANICAL

C>
Automatic measurement probe for MM8830-2600.
MM126714 and MM126712 are used as calibration adapter.

A>



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

Figure 1 Construction

2. RATING:

Item	Specification
Voltage Rating	30Vr.m.s. maximum
Nominal Frequency Range	DC to 6GHz
Nominal Impedance	50Ω
Temperature Rating	-40°C to +85°C
Insulation Resistance	500 MΩ minimum
Withstanding Voltage	No evidence of break down in AC200Vr.m.s, 1minute
Initial Contact Resistance (without conductor resistance)	70mΩ max.
B> Voltage Standing Wave Ratio (V.S.W.R.)	1.5 max. (DC to 3GHz) 2 max. (3GHz to 6GHz)
B> Insertion loss	0.6dB max. (DC to 3GHz) 1.2dB max. (3GHz to 6GHz)
B> Durability	1M cycles

3. USE THIS PRODUCTS

3.1 The directions for attachment to measurement machine.

The probe must be attached to machine at the screw in probe flange. (Figure 2)

The probe must be attached to machine at the two screw holes in probe flange. (Figure 2)

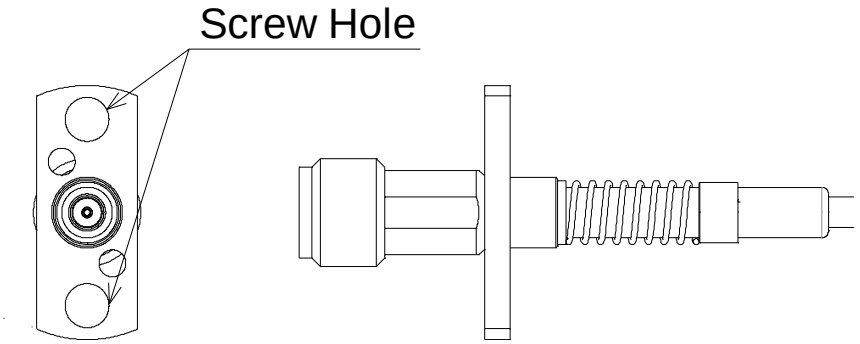


Figure.2 Screw hole size

3.2 The tolerance of position against MM8830-2600.

Probe has the centering function by itself, +/-0.4 mm is permitted against the hole center of MM8830-2600. Please avoid needless force to SMA-J (SMA-Female) connector to come back the original position when disengagement of probe.

To get the 10dB or higher isolation (up to 6GHz), the engagement strokes from the top surface of jig to the tip of probe is 18.15mm to 19.15mm. (Figure 3)

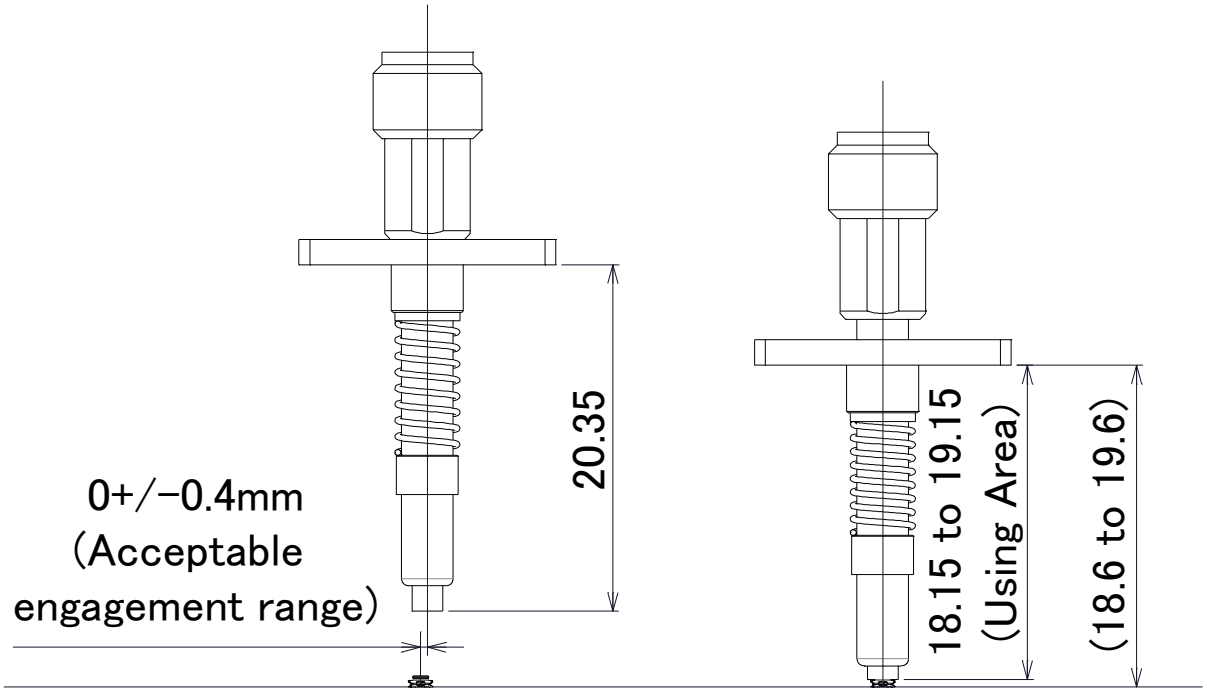


Figure.3 Acceptable engagement range to MM8830-2600

3.3 The slant angle tolerance of probe against MM8830-2600. (Figure 4)
To have the stable measurement, MM126715 slant angle must be 0+/-2degree.

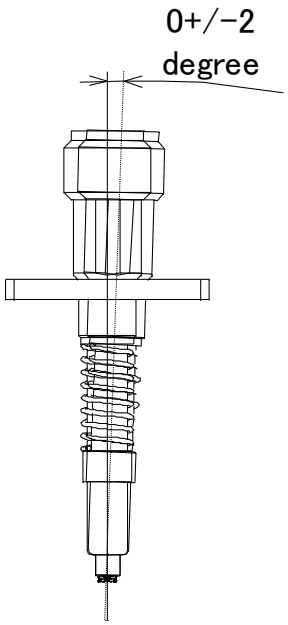


Figure.4 Probe Shape Operation Manual for Auto Measurement probe (MM126715)