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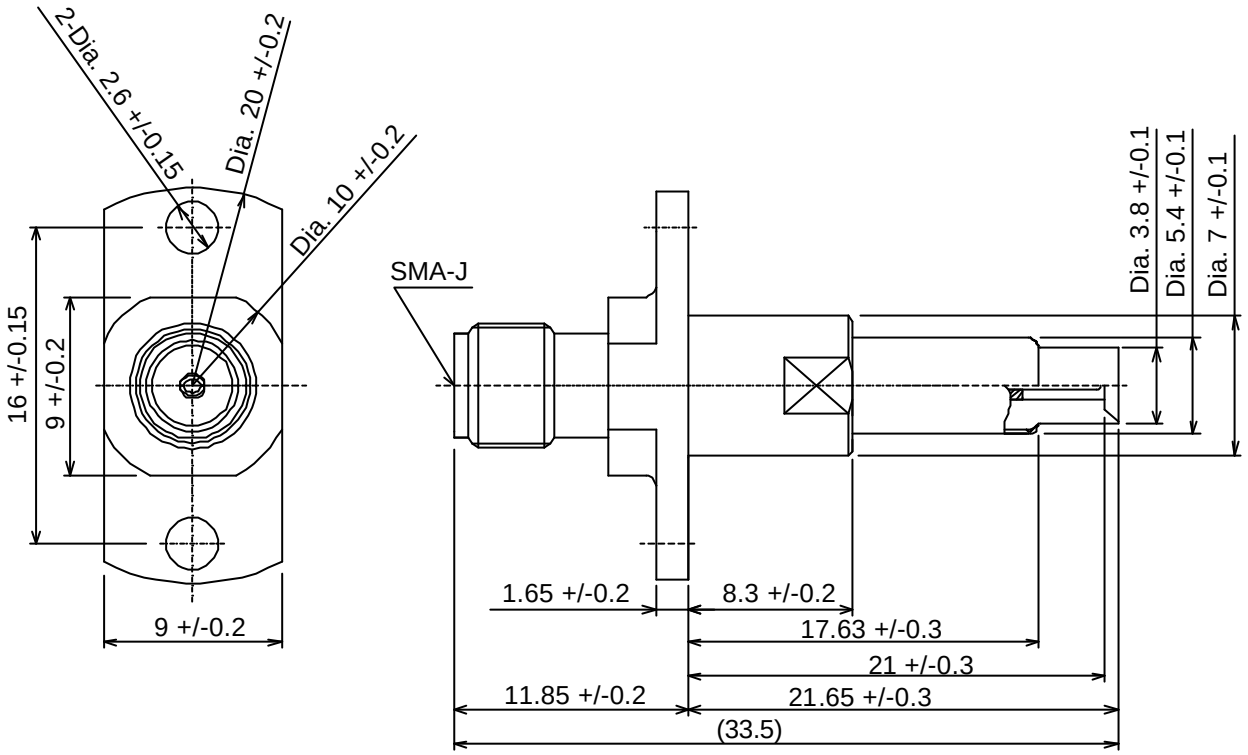
Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PD0012A
Part Number : MM126036

Written by T.Kuriyama
Checked by Y.Otani
Date 18 /Aug./2001

SPECIFICATION

Revised A: 15/Jul./'02 KY

1. MECHANICAL



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SCALE:FREE
UNIT: mm

Figure.1 Construction

2. RATING:

Item	Specification
Voltage Rating	250V r.m.s. maximum
Nominal Frequency Range	DC to 6GHz
Nominal Impedance	50Ω
Temperature Rating	-40°C to +90°C
Insulation Resistance	500 MΩ minimum
Withstanding Voltage	No evidence of breakdown
Initial Contact Resistance (without conductor resistance)	Center contact 25.0mΩmax. Outer contact 20.0mΩmax.
Voltage Standing Wave Ratio (V.S.W.R.)	Meet the requirements of following spec. 1.6max.(DC~3GHz) 2.0max.(3~6GHz)
Insertion loss	0.6dBmax. (DC~3GHz) 1.5dBmax.(3~6GHz)
Durability	1M cycles

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3. USE THIS PRODUCTS

3.1 The directions for attachment to measurement machine.

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

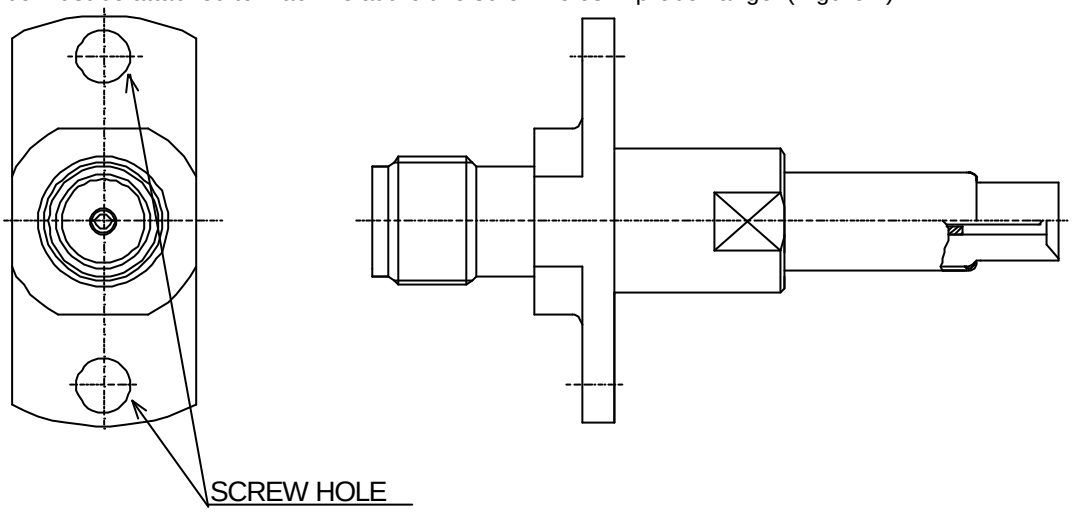


Figure.2 Screw hole position

3.2 The tolerance of position against MM8430-2600B

With the standard attachment method, +/-0.05mm is permitted against the hole center of MM8430-2600B.

However, with the machine which has the following function, +/-0.7mm is permitted against the hole center of MM8430-2600B.

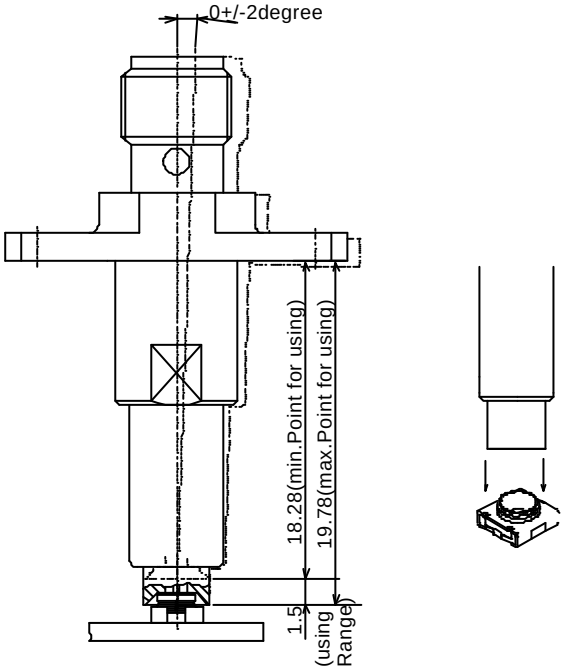
The function is to utilize the taper at tip of probe (See Figure 3). If the taper can be acting as the guide, tolerance can be wider.

3.3 The engagement strokes (Figure 3)

To get the 15dB or higher isolation (up to 6GHz), The engagement strokes from the flange to the tip of probe is 18.28mm to 19.78mm for the outer conductor.

3.4 The slant angle tolerance of probe against MM8430-2600B. (Figure 3)

To have the stable measurement, MM126036 slant angle must be +/-2degree.



UNIT: mm

Figure.3 Probe Shape Operation Manual for Auto Measurement probe (MM126036)