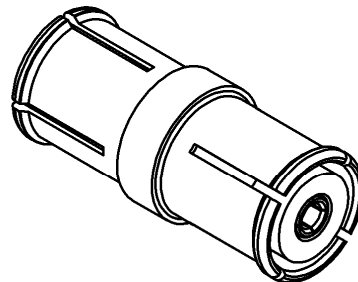
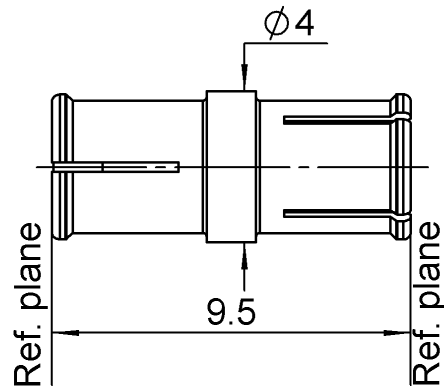


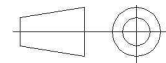
**STRAIGHT FEMALE-FEMALE ADAPTER**

**R222.M40.010**

Series : SMP-MAX



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BERYLLIUM COPPER	NPGR
CENTER CONTACT	BERYLLIUM COPPER	NPGR
OUTER CONTACT		
INSULATOR	PTFE	
GASKET		
OTHERS PARTS		
-	-	-
-	-	-

Issue : 1107 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIAL** 

**STRAIGHT FEMALE-FEMALE ADAPTER****R222.M40.010**Series : **SMP-MAX****PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-6</b>	GHz
VSWR	<b>1.25* + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.15*</b>	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- ( <b>NA</b> )	- F(GHz)) dB Maxi
Voltage rating	<b>335</b>	Veff Maxi
Dielectric withstanding voltage	<b>1000</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

**ENVIRONMENTAL**

Operating temperature	<b>-55/+165</b>	$^{\circ}\text{C}$
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHER CHARACTERISTICS**

Assembly instruction

Others :

\*VSWR: up to 3GHz; 3-6GHz, 1.35 max

\*Coaxial Transmission Line Only

\*Slide type receptacle+Bullet+Snap type receptacle

Typical VSWR(Board to Board connection):

0-3GHz, 1.2max

Power handling (typical) :

&gt;300W@2.7GHz at 25°C: &gt;200W@2.7GHz at 85°C

Radial working angle: 3°min

Axial working range : 2mm

**MECHANICAL CHARACTERISTICS**

Center contact retention	
Axial force – Mating end	<b>7</b> N mini
Axial force – Opposite end	<b>7</b> N mini
Torque	<b>NA</b> N.cm mini

Recommended torque	
Mating	<b>NA</b> N.cm
Panel nut	<b>NA</b> N.cm

Mating life	<b>100</b> Cycles mini
Weight	<b>0,2840</b> g

Issue : 1107 A

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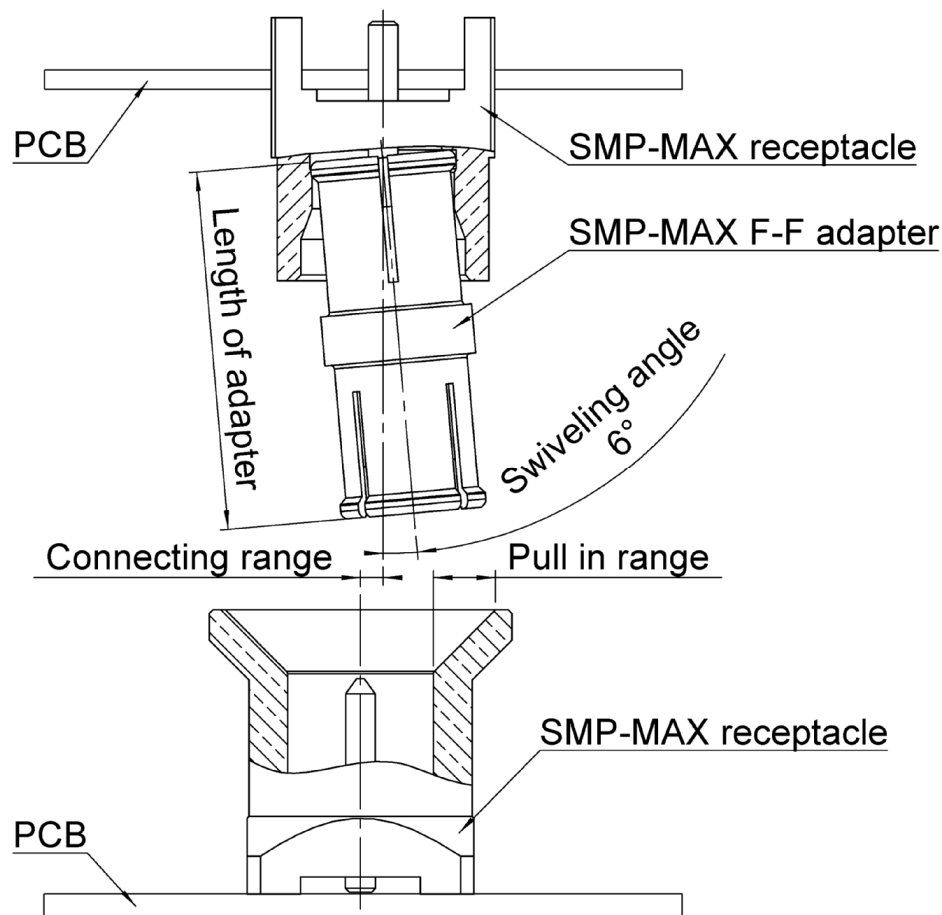
**RADIAL** 

## STRAIGHT FEMALE-FEMALE ADAPTER

**R222.M40.010**

Series : SMP-MAX

## SMP-MAX connecting range



The connecting range represents the maximum misalignment during connection.

The swiveling angle is the maximum possible angle of the adapter in a snap receptacle.

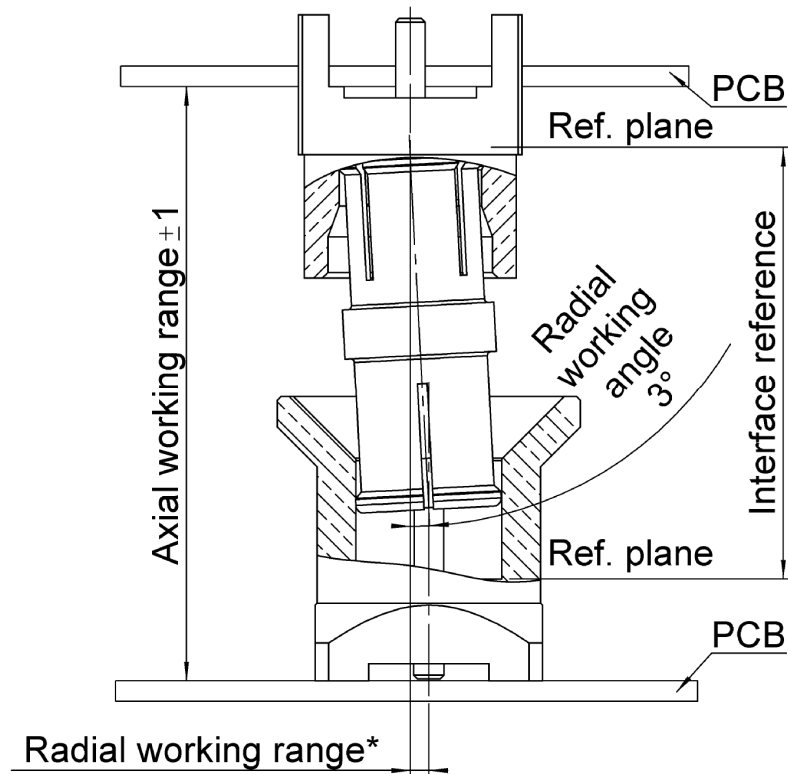
A blind assembly is guaranteed if radial misalignment is smaller than connecting range. Otherwise a manual lead-in is necessary.

## STRAIGHT FEMALE-FEMALE ADAPTER

**R222.M40.010**

Series : SMP-MAX

## SMP-MAX radial and axial working range



Electrical performance is achieved when radial and axial misalignments are within their working ranges.

\* Radial working range = (length of the adapter)\* Sin(radial working angle).