

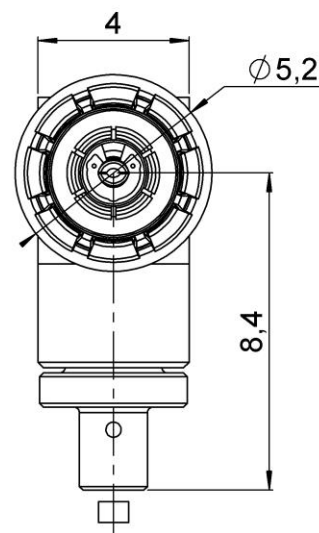
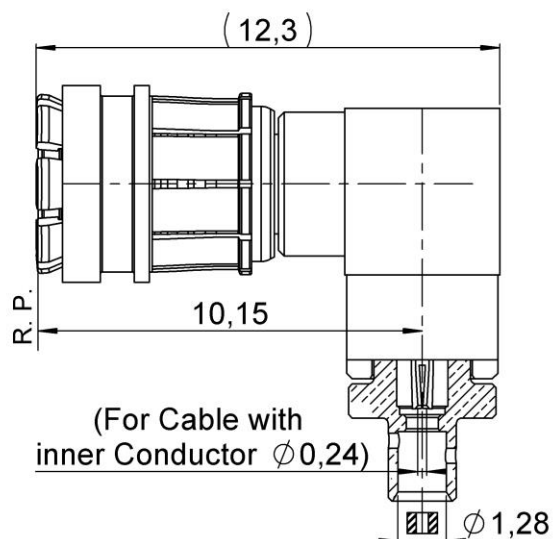
PAGE 1/5

ISSUE 17-09-21A

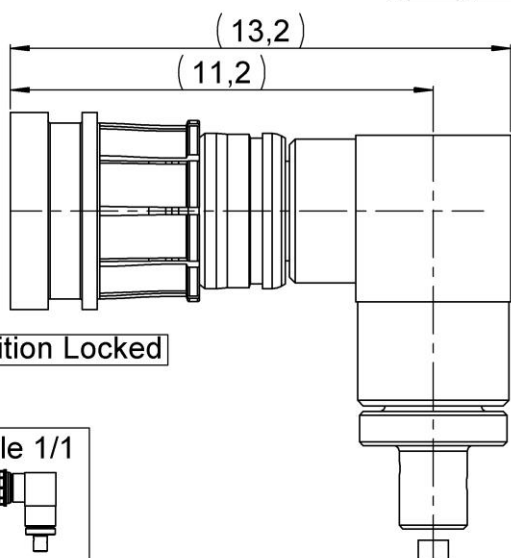
SERIES SMPM-L

PART NUMBER R201L80310

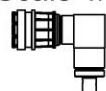
Position Unlocked



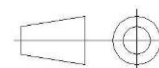
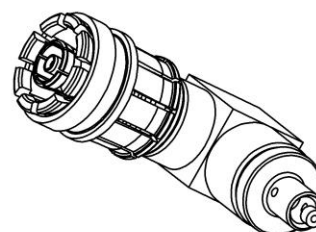
Position Locked



Scale 1/1



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (µm)
Body	BERYLLIUM COPPER	NPGR
Center contact	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
Outer contact	BERYLLIUM COPPER	NPGR
Insulator	PTFE+PEEK	
Gasket	-	
Others parts	BRONZE,BERYLLIUM COPPER	NICKEL, GOLD
Rear Body	BERYLLIUM COPPER	N2PGR
-	-	-

PAGE **2/5**

ISSUE **17-09-21A**

SERIES **SMPM-L**

PART NUMBER **R201L80310**

PACKAGING

Standard	Unit	Other
100	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-65	GHz
VSWR	* + 0,00	x F(GHz) Maxi
Insertion loss	0.12	\sqrt{F} (GHz) dB Maxi
RF leakage	- (**	- F(GHz)) dB Maxi
Voltage rating	125	Veff Maxi
Dielectric withstanding voltage	250	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	6.7	N mini
Axial force – Opposite end	6.7	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0,00	mm
Mating life	500	Cycles mini
Nominal Weight	1,58	g
(Add +15% for max weight)		

ENVIRONMENTAL

Operating temperature	-65/+165 ***	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	7,00	3,00	1,80	-	-	-

Assembly instruction:

Recommended cable(s)

047SC-2901

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off (Temp-flex .047)	25	N min
- torque	NA	N.cm

TOOLING

Part Number	Description	Hexagon
R282740060	BRAZING TOOL SMPM-LOCK	
R282868370	LOCK AND UNLOCK TOOL FOR SMPM-L	OPTION-1
R282918230	LOCK AND UNLOCK TOOL FOR SMPM-L	OPTION-2

OTHER CHARACTERISTICS

(RF performance depend on the cable use)

- * **1.2 : DC - 25 Ghz**
- * **1.2 +0.006 x F (Ghz) : 25 - 40 Ghz**
- * **1.44 +0.016 x F (Ghz) : 40 - 65 Ghz**

**** -80dB up to 3GHz**

***** depend on cable**

PAGE 3/5

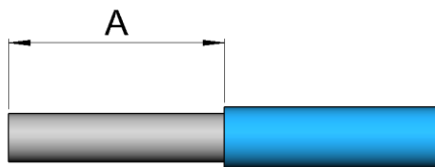
ISSUE 17-09-21A

SERIES SMPM-L

PART NUMBER R201L80310

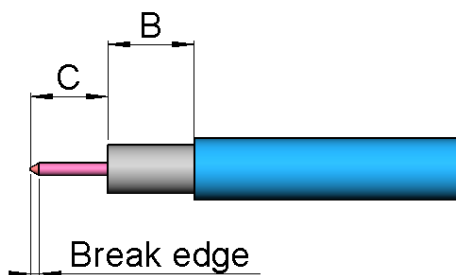
For flexible cable

Before stripping, strip jacket and deep tin the naked braid.



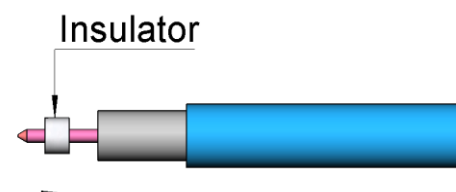
1A

- Strip the cable inner conductor.
- Make a Chamfer
- Clean the cable



2A

- Slide the insulator onto the cable inner conductor.



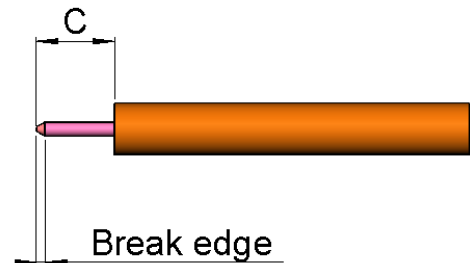
For Semi Rigid cable

We recommend a cable thermal preconditioning



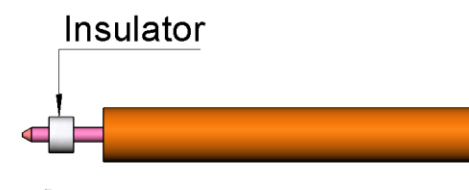
1B

- Strip the cable inner conductor.
- Make a Chamfer
- Clean the cable



2B

- Slide the insulator onto the cable inner conductor.



PAGE 4/5

ISSUE 17-09-21A

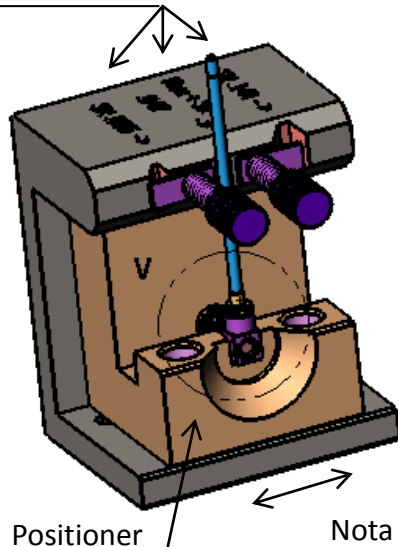
SERIES SMPM-L

PART NUMBER R201L80310

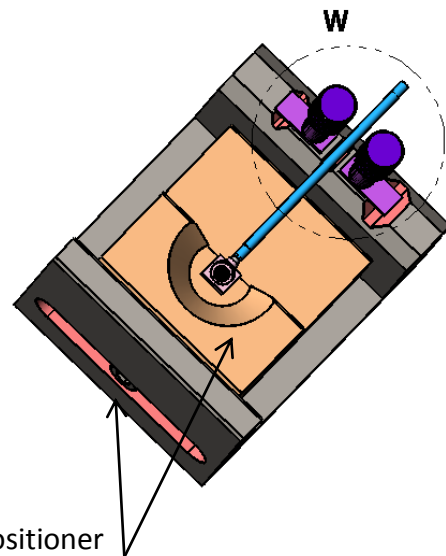
3

- Introduce the cable into the connector body and place the assembly into the positioner
- Pushed the cable into the connector body until it stops and fixe the cable
- Solder the cable into the connector body.
- After cooling remove cable assembly from the jig.

Cable in position
See Nota 1

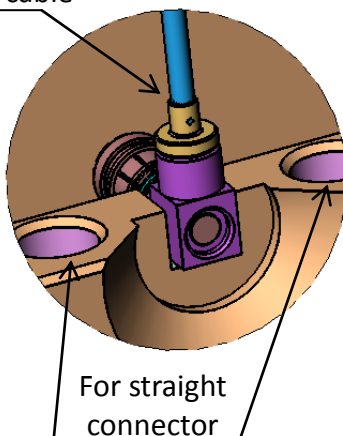


Nota 1: move the positioner
in fonction of cable used



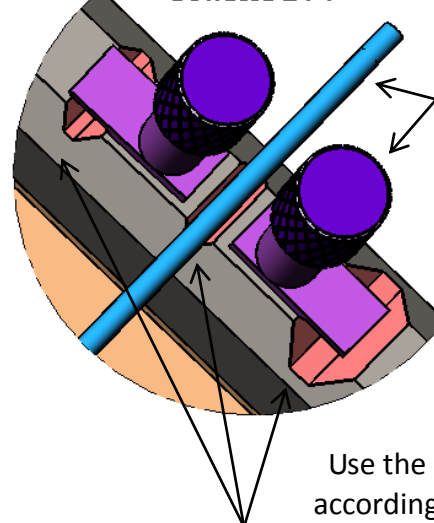
Solder the cable

DETAIL V
Echelle 2:1



For straight
connector

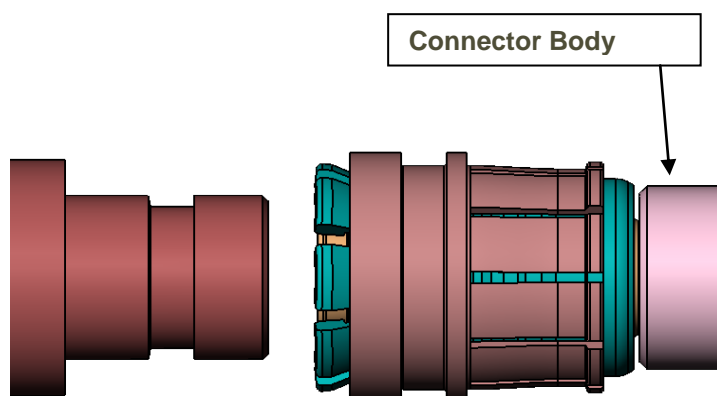
DÉTAIL W
ECHELLE 2 : 1



Turn for fixe
the cable

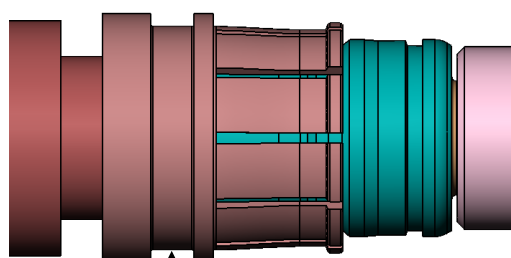
Use the cable guide
according to the cable

MATING, LOCKING / UNLOCKING INSTRUCTIONS



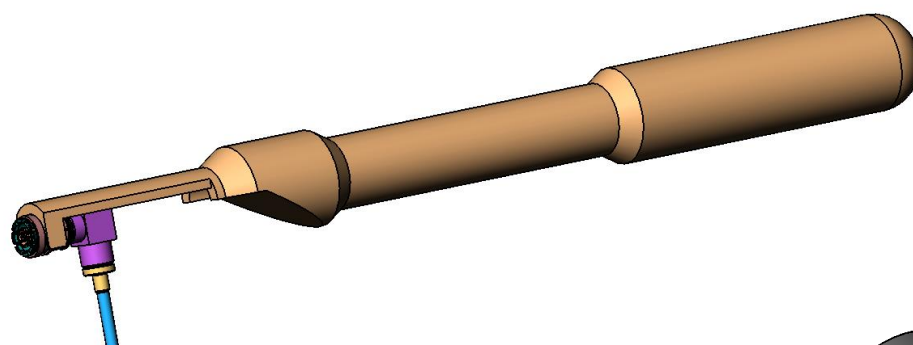
← Mate connectors until mechanical stop

**Do not make the coupling
by the locking nut**

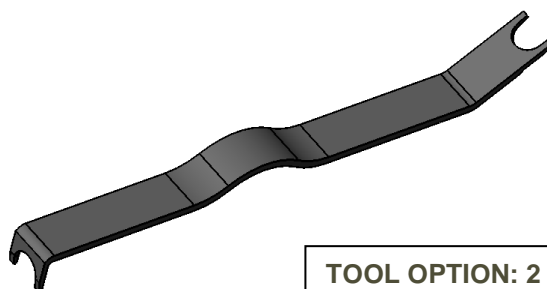


← Slide the locking nut until stop
by using the specific tool

(See tool option 1 or 2)



TOOL OPTION: 1



TOOL OPTION: 2