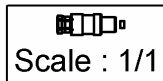
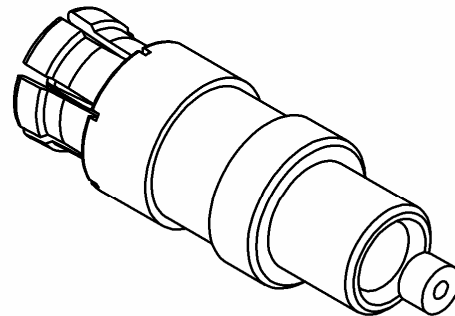
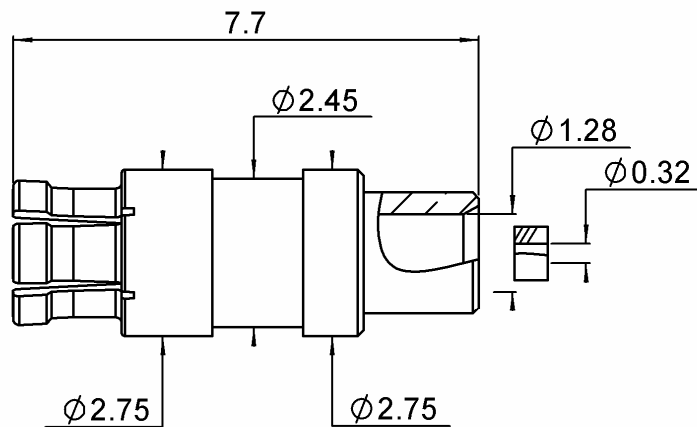


STRAIGHT FEMALE CONNECTOR

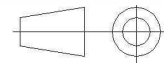
SOLDER CABLE .047

R201.051.000

Series : SMPM



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
OUTER CONTACT	-	-
INSULATOR	PEEK	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 1134 A

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

RADIAL 

STRAIGHT FEMALE CONNECTOR**SOLDER CABLE .047****R201.051.000**

Series : SMPM

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-40	GHz
VSWR	*1.35 + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (NA	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	500	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	0,0000	mm
Mating life	500	Cycles mini
Weight	0,1700	g

ENVIRONMENTAL

Operating temperature	-40/+100	° C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	1,30	0,00	0,00	0,00	0,00	0,00

Assembly instruction :

Recommended cable(s)
UT47 M17/151-00001

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	45	N mini
- torque	NA	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.743.110	POSITIONER FOR SOLDERING SMPM	
R282.740.020	SOLDERING MOUNTING	

OTHER CHARACTERISTICS

*VSWR 1.15 AT 26.5 GHz

Issue : 1134 A

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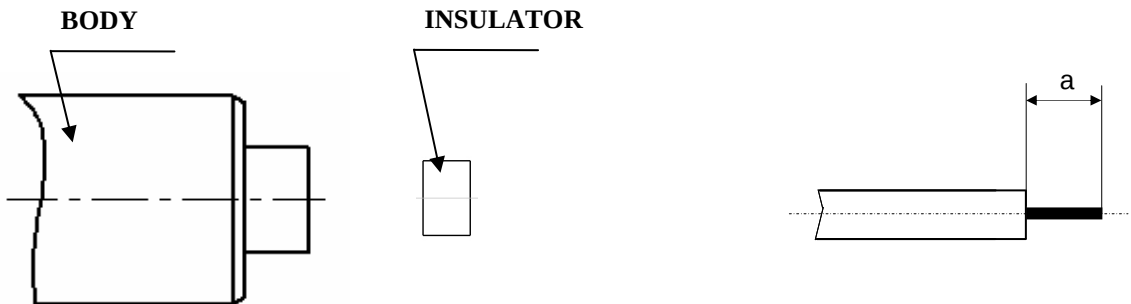
STRAIGHT FEMALE CONNECTOR

SOLDER CABLE .047

R201.051.000

Series : SMPM

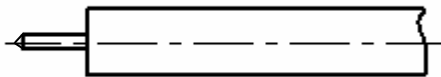
COMPONENT



We recommend a cable thermal preconditioning before assembly

1

- Strip the cable.
- Trim the cable inner conductor.
- Clean the cable



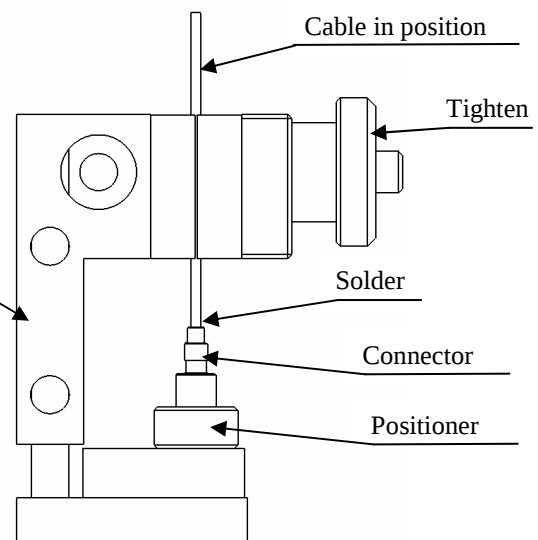
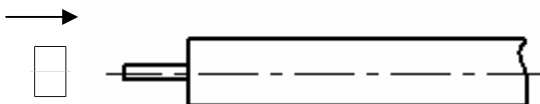
3

- Slide body into the positioner.
- Introduce the cable into the connector body until it stops.
- Place the sub assembly into the assembly and tighten it .
- Solder the body onto the cable.
- After cooling remove cable assembly from the jig.

Soldering jig

2

- Slide the insulator onto the cable inner conductor.



Issue : 1134 A

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RADIAL 

Mouser Electronics

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