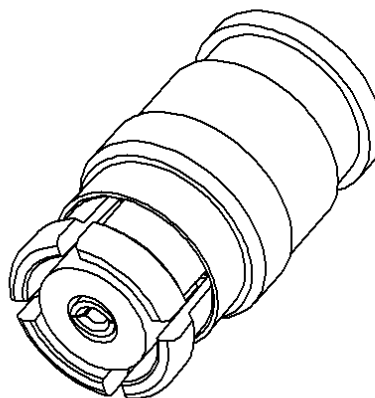
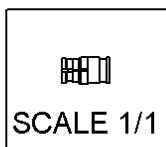
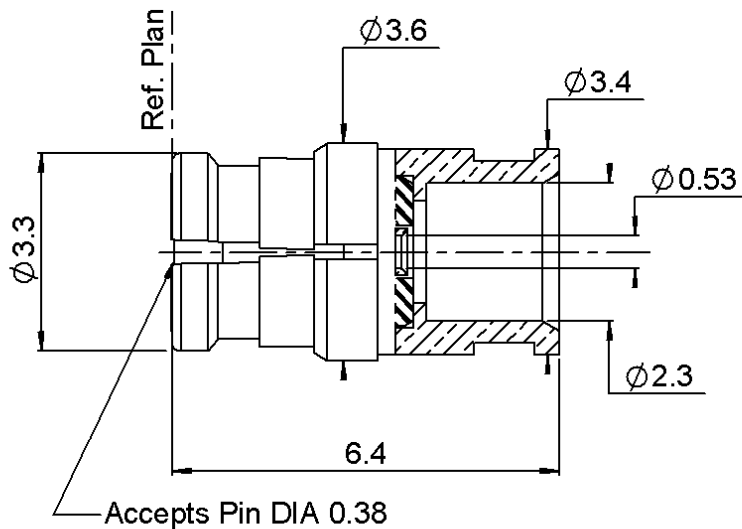


FEMALE STRAIGHT PLUG SOLDER TYPE

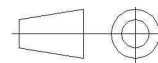
R222.052.000

CABLE .085

Series : SMP



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (μm)
BODY	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.27 OVER NICKEL 1.27
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
-	-	-
-	-	-

Issue : 0924 C

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



RADIALL®

FEMALE STRAIGHT PLUG SOLDER TYPE

R222.052.000

CABLE .085

Series : SMP

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	- (	- F(GHz)) dB mini
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	NA N mini
Axial force – Opposite end	NA 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	100 Cycles mini
Weight	0,0900 g

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	1,30	0,00	0,00	0,00	0,00	0,00

Assembly instruction :

Recommended cable(s)

KS 1

RG 405

Cable retention

- pull off **200** N mini- torque **NA** N.cm**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.051.000	STRIPPING TOOL	
R282.062.010	POINTER GAUGE	
R282.740.030	SOLDERING MOUNTING	
R282.743.120	POSITIONER FOR SOLDERING SMP	
R282.744.253	POSITIONER FOR SOLDERING SMP	
R282.862.050	SOLDER GAUGE THCK .012	

OTHERS CHARACTERISTICS

RF leakage:-80dB DC-3GHz

-65dB 3-26.5GHz

Compliant with MIL-STD-348

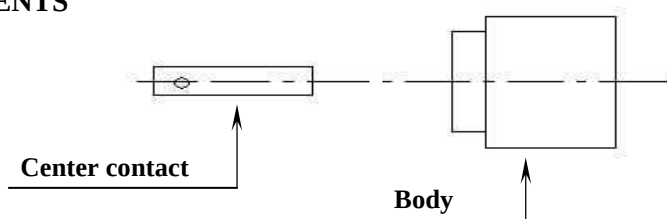
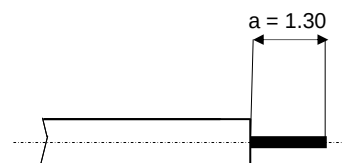
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**RADIALL**®

FEMALE STRAIGHT PLUG SOLDER TYPE**R222.052.000****CABLE .085**

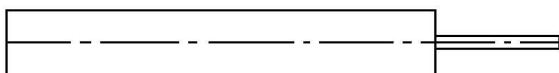
Series : SMP

COMPONENTS**STRIPPING CABLES**

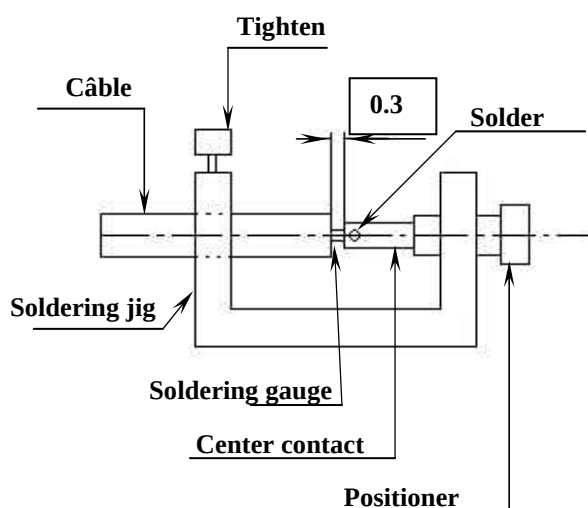
We recommend a thermal preconditionning cable

1

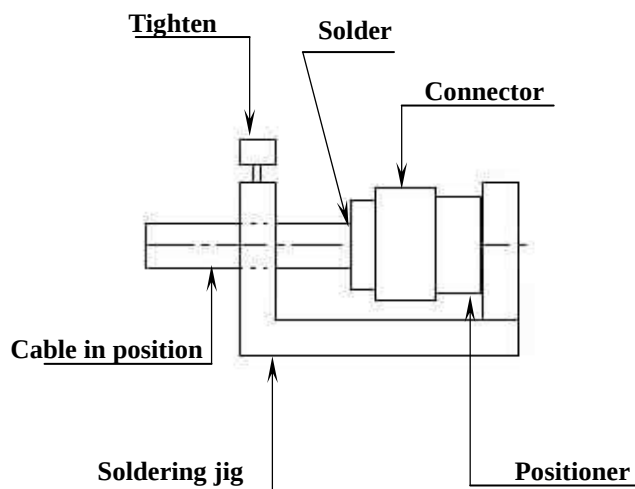
Strip the dielectric of the cable .
Trim the cable .
Clean the cable .
Iron temperature not exceed 250°C

**2**

Screw the positoner onto the soldering jig.
Slide center contact into positoner.
Insert solder gauge between contact and cable .
Tighten and solder the contact.

**3**

After cooling remove cable assembly from the jig.
Slide body into positoner .
Slide cable into the connector until it bottoms against the positoner .
Tighten.
Solder the body onto the cable.
After cooling remove cable assembly from the jig.



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