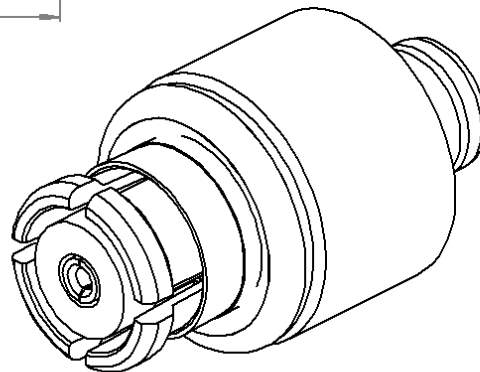
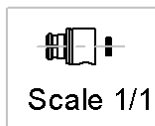
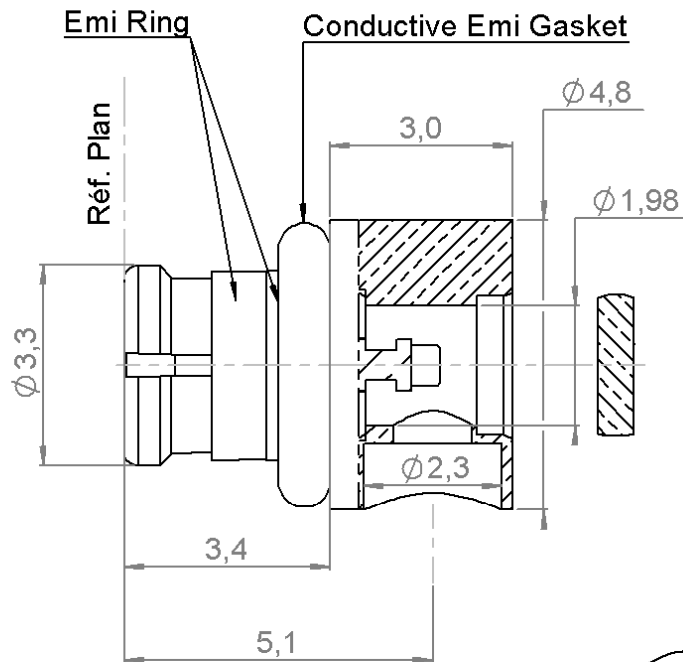


RIGHT ANGLE PLUG SOLDER TYPE WITH EMI GASKET

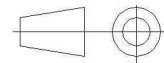
R222.162.100

CABLE SHF2.4

Series : SMP



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (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	CuAg LOADED SILICONE RUBBER	GOLD 1.3 OVER NICKEL2
OTHERS PARTS	BERYLLIUM COPPER	-
-	-	-
-	-	-

Issue : 1242 B

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



RIGHT ANGLE PLUG SOLDER TYPE WITH EMI GASKET

R222.162.100**CABLE SHF2.4**

Series : SMP

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-26.5	GHz
VSWR	1.2** + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (* - 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	100	Cycles mini
Weight	0,4700	g

ENVIRONMENTAL

Operating temperature	-65/+165	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	IP54	

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)

SHF 2.4M

BELN 1671A

RG 405

KS 1

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	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	

OTHER CHARACTERISTICS

RF leakage:-80dB DC-3GHz
 -65dB 3-26.5GHz / **VSWR at 12GHz
 Compliant with MIL-STD-348

Issue : 1242 B

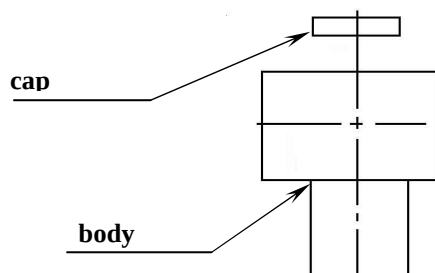
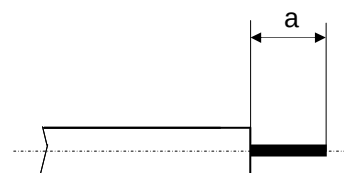
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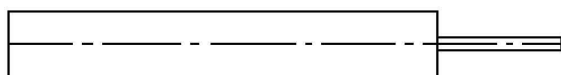
RIGHT ANGLE PLUG SOLDER TYPE WITH EMI GASKET

R222.162.100**CABLE SHF2.4**

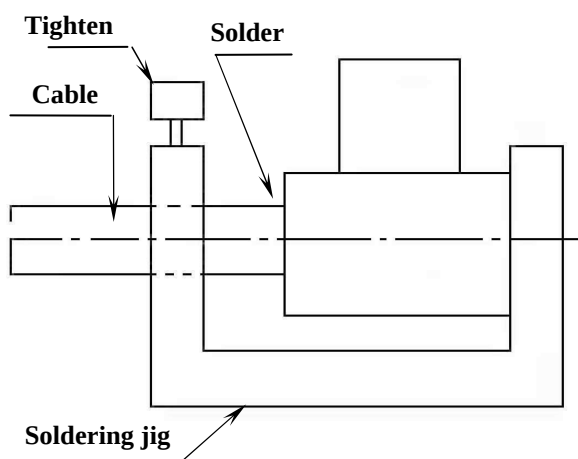
Series : SMP

COMPONENT**STRIPPING CABLES****We recommend a thermal preconditionning cable****1**

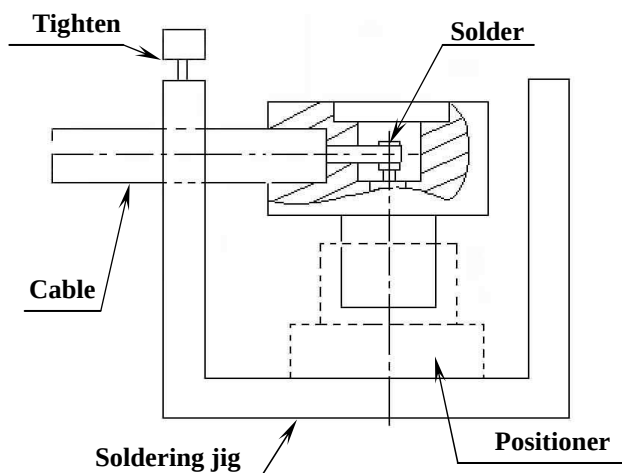
Strip the cable .
Clean the cable .
The iron temperature shall not exceed 250°C max

**2**

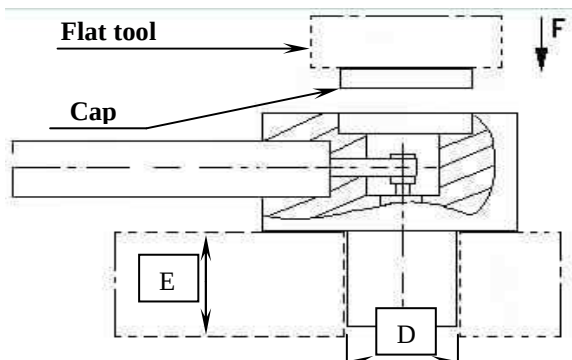
Slide the assembly in the the soldering jig and tighten.
Slide cable into connector until it bottoms against the body and tighten.
Solder the body onto the cable .

**3**

After cooling remove the cable assembly from the jig .
Slide the body into the positioner until its bottoms against the positioner
Slide cable assembly onto the jig .
Tighten and solder the contact.
After cooling remove cable assembly from the jig.

**4**

Place cable assembly into a dia D = 3.8 +0.1 and thickness E = 4 +-0.1 .
Place cable assembly above a flat pressing tool .
To fit the cap until it bottoms against the body .
(direction F)

**Issue : 1242 B**

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