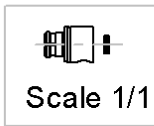
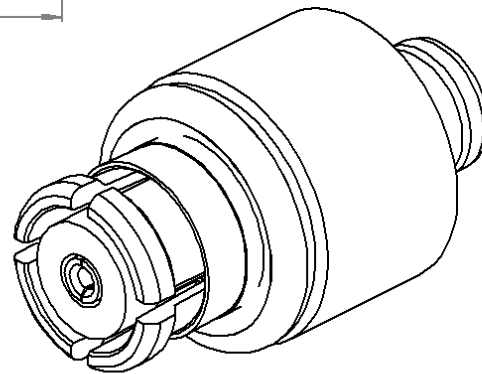
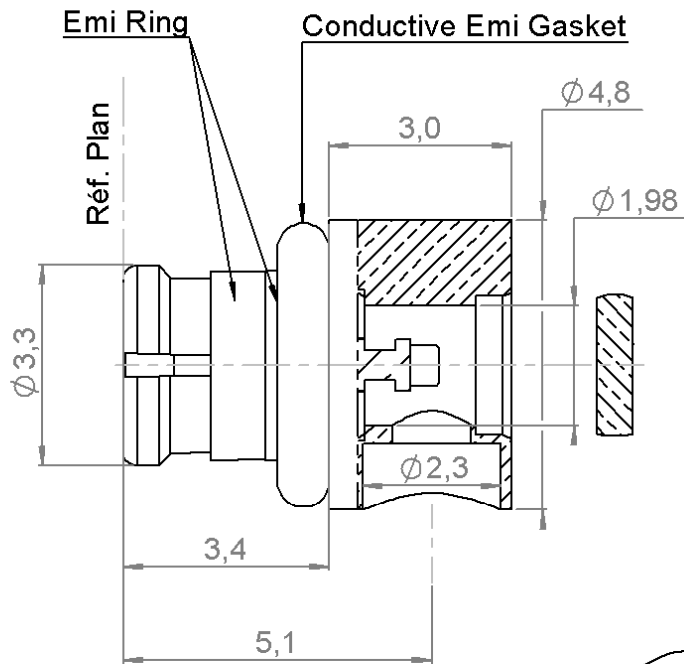


RIGHT ANGLE PLUG SOLDER TYPE WITH EMI GASKET

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	-
OTHERS PARTS	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
-	-	-
-	-	-

Issue : 1242 B

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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

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
Frequency		0-26.5 GHz
VSWR	1.2** +	0,0000 x F(GHz) Maxi
Insertion loss		0.12 √F(GHz) dB Maxi
RF leakage	- (* - F(GHz)) dB Maxi
Voltage rating		335 Veff Maxi
Dielectric withstanding voltage		500 Veff mini
Insulation resistance		5000 MΩ mini

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

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

TOOLING

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

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	

ENVIRONMENTAL

Operating temperature	-65/+165	° C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	IP54	

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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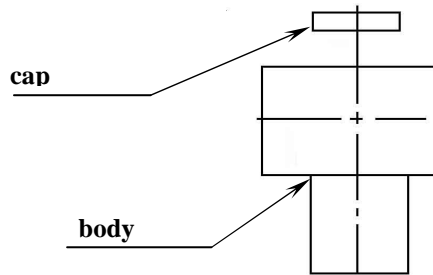
RIGHT ANGLE PLUG SOLDER TYPE WITH EMI GASKET

R222.162.100

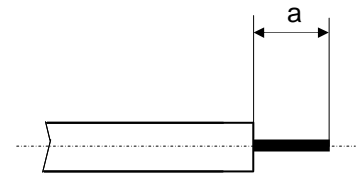
CABLE SHF2.4

Series : SMP

COMPONENT



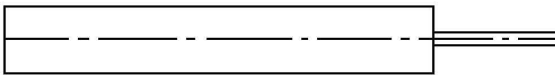
STRIPPING CABLES



We recommend a thermal preconditioning cable

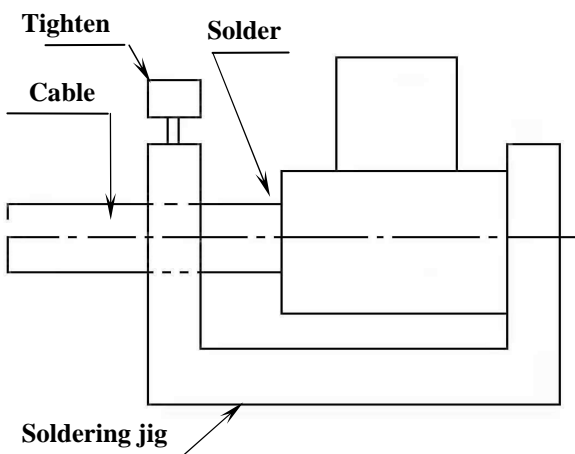
1

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



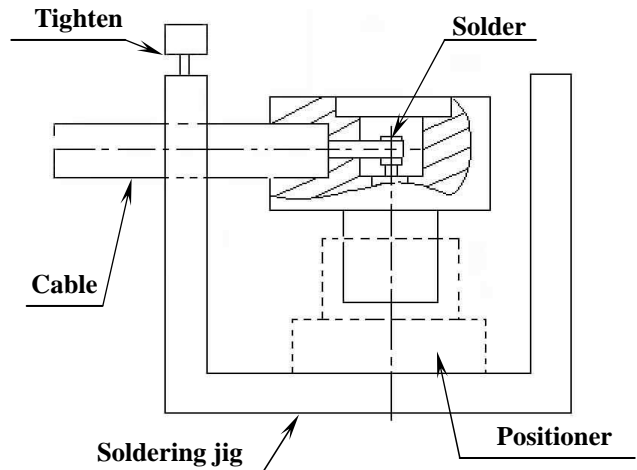
2

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 .



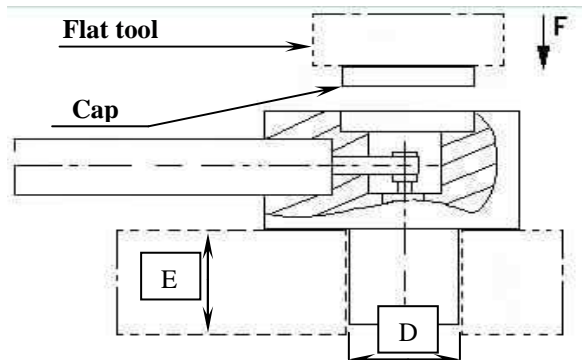
3

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



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