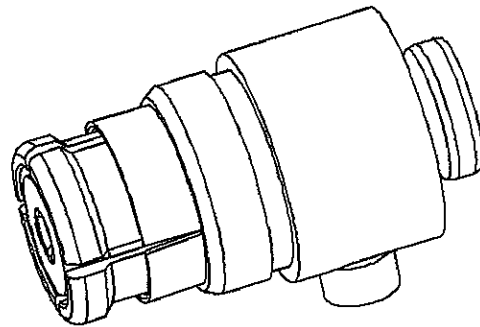
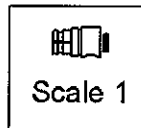
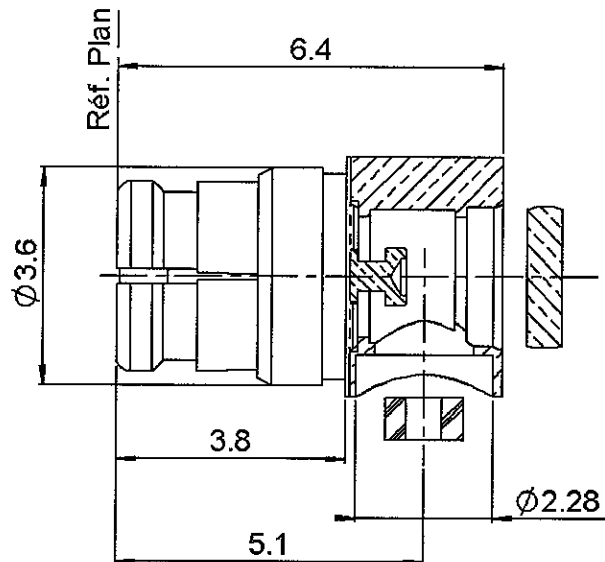
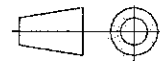


FEMALE RIGHT ANGLE PLUG SOLDER TYPE**.085 MICROPOROUS CABLE****R222.152.300**

Series : SMP



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRONZE	GOLD 1.3 OVER NICKEL 2
CENTER CONTACT	BRONZE	GOLD 1.27 OVER NICKEL 1.27
OUTER CONTACT		
INSULATOR	PTFE	
GASKET		
OTHERS PARTS	BRASS	GOLD 1.3 OVER NICKEL 2
-	-	-
-	-	-

Issue : 0606 C

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

**RADIALL®**

FEMALE RIGHT ANGLE PLUG SOLDER TYPE**R222.152.300****.085 MICROPOROUS CABLE**

Series : SMP

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	2.00	0.00	0.00	0.00	0.00	0.00

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
Frequency		0-40 GHz
VSWR	1.50 +	0.000 x F(GHz) Maxi
Insertion loss		0.12 $\sqrt{F}$ (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

Assembly instruction :

Recommended cable(s)
UT 85-LL

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	6.8 N mini
Axial force – Opposite end	6.8 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	0.000 mm

Mating life	100 Cycles mini
Weight	0.327 g

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	

ENVIRONMENTAL

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

OTHERS CHARACTERISTICS

*RF leakage -80dB DC-3 GHz
 -65 dB 3-26 GHz
 Compliant with MIL-STD-348

Issue : 0606 C

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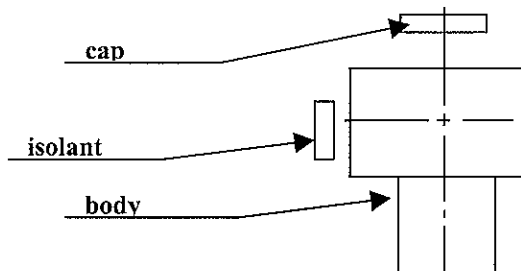


FEMALE RIGHT ANGLE PLUG SOLDER TYPE

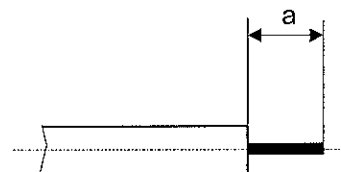
R222.152.300**.085 MICROPOROUS CABLE**

Series : SMP

COMPONENT



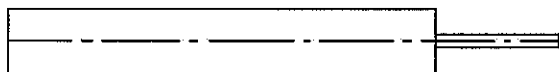
STRIPPING CABLES



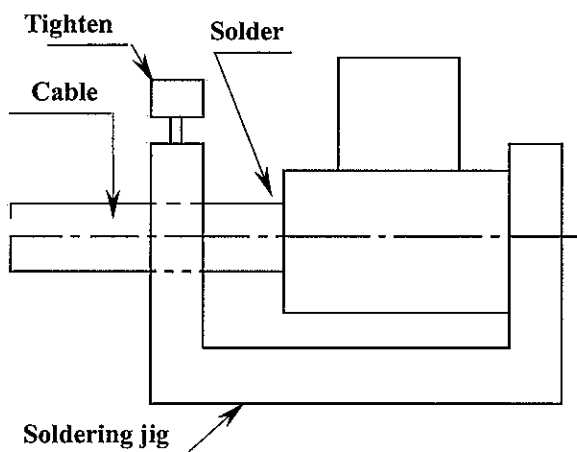
We recommend a thermal preconditionning cable

1

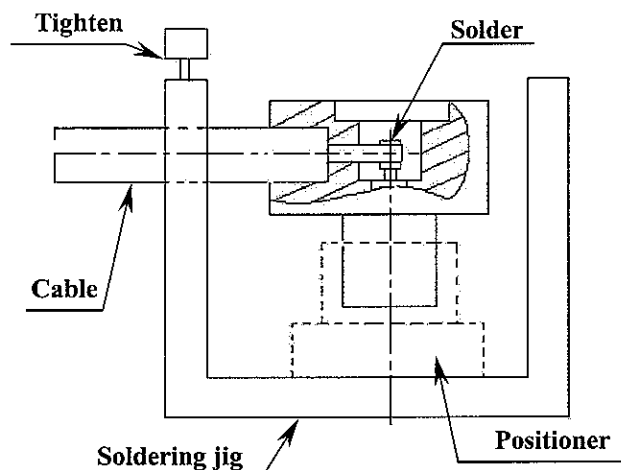
Strip the cable . Clean the cable .
Slide the insulator over the core of the cable.
The iron temperature shall not exceed 250°C max

**2**

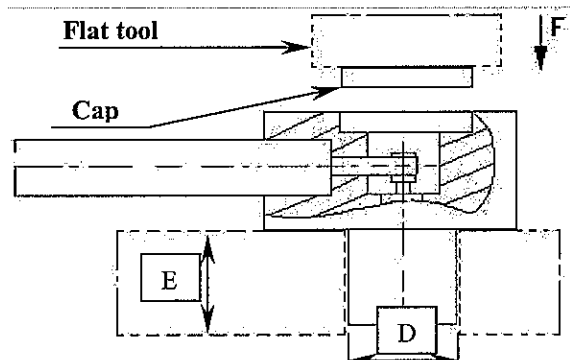
Slide the assembly in the the soldering jig and tighten.
Slide cable into connector until it bottoms against the body and tighten.
Solder the body onto the cable .

**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 : 0606 C

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Mouser Electronics

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