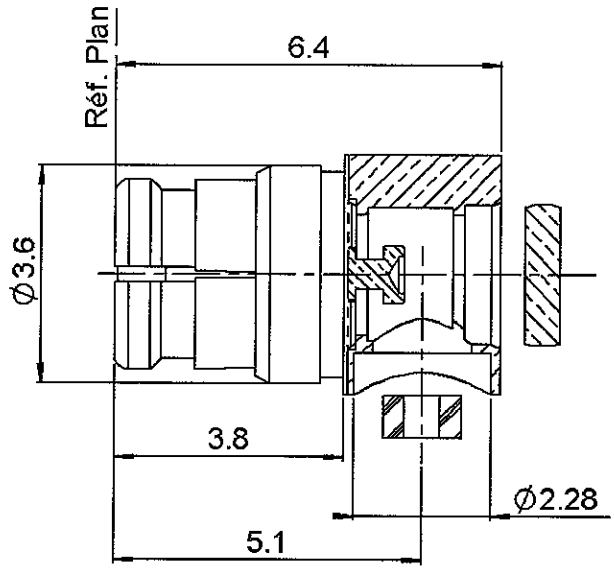
FEMALE RIGHT ANGLE PLUG SOLDER TYPE

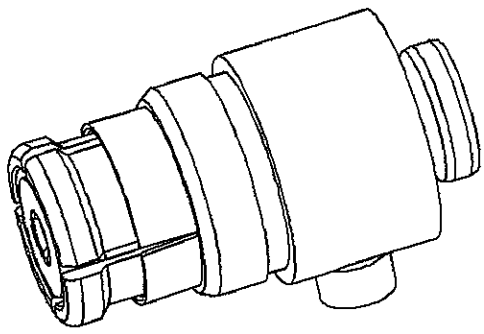
.085 MICROPOROUS CABLE

R222.152.300

Series : SMP



Scale 1



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®

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PACKAGING

Standard	Unit	Other
100	**'W' option**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-40**	GHz
VSWR	**1.50 +**	**0.000**	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

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

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	2.00	0.00	0.00	0.00	0.00	0.00

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

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	

OTHERS CHARACTERISTICS

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

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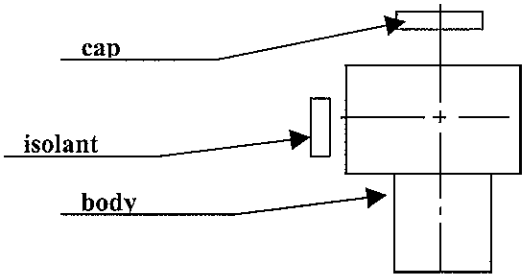
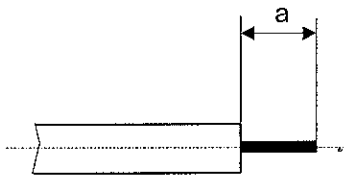
COMPONENT



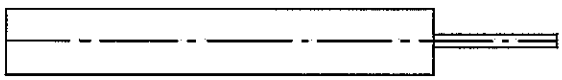
STRIPPING CABLES



We recommend a thermal preconditionning cable

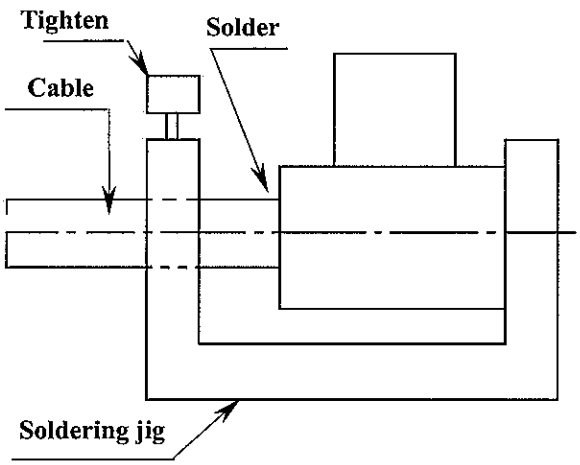
1

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



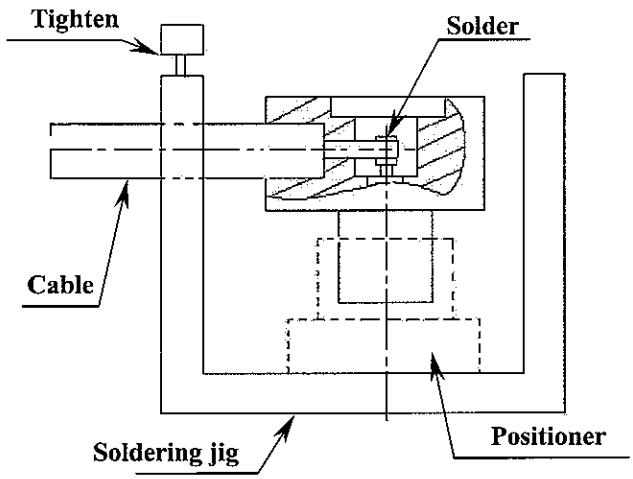
2

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 .



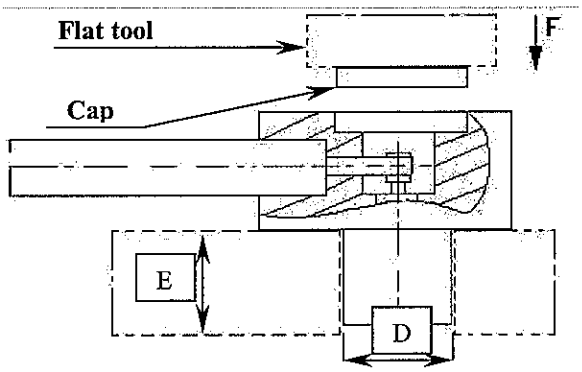
3

After cooling remove the cable assembly from the jig .
Slide the body into the positioner until its bottoms againsr 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 againts the body .
(direction F)



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