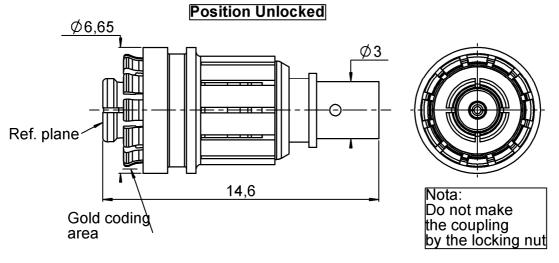
STRAIGHT PLUG SOLDER TYPE

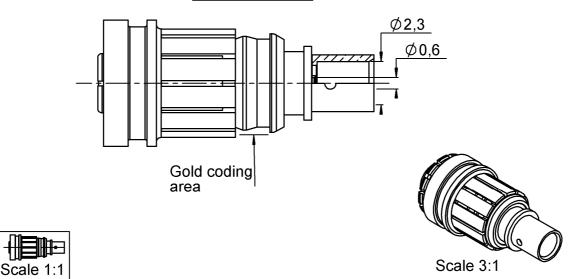
CABLE .085

R222.L80.010

Series : SMP LOCK



Position Locked



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (μm)
BODY CENTER CONTACT OUTER CONTACT INSULATOR GASKET OTHERS PARTS -	BERYLLIUM COPPER BERYLLIUM COPPER - PTFE+PEEK CuAg LOADED SILICONE RUBBER BERYLLIUM COPPER -	N2PGR GOLD 1.27 OVER NICKEL 1.27 - NICKEL 2 -

Issue: 1229 A

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



STRAIGHT PLUG SOLDER TYPE

CABLE .085

R222.L80.010

Series : **SMP LOCK**

PACKAGING

Standard	Unit	Other
100	•	Contact us

ELECTRICAL CHARACTERISTICS

Impedance 50Ω Frequency 0-26.5 GHz

VSWR 1.3 + 0,0000 x F(GHz) Maxi Insertion loss 0.1 $\sqrt{F(GHz)}$ dB Maxi RF leakage - (*90 - F(GHz)) dB Maxi

 $\begin{array}{ccc} \mbox{Voltage rating} & \mbox{335} & \mbox{Veff Maxi} \\ \mbox{Dielectric withstanding voltage} & \mbox{500} & \mbox{Veff mini} \\ \mbox{Insulation resistance} & \mbox{5000} & \mbox{M}\Omega \mbox{ mini} \\ \end{array}$

MECHANICAL CHARACTERISTICS

Center contact retention

Axial force – Mating end
Axial force – Opposite end
Torque

6.7 N mini
AXIII MAN.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 500 Cycles mini

Weight **1,5500** g

ENVIRONMENTAL

Operating temperature -55/+125 ° C

Hermetic seal NA Atm.cm3/s

Panel leakage NA

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	С	d	e	f
mm	1,78	0,00	0,00	0,00	0,00	0,00

Assembly instruction:

Recommended cable(s)

RG 405

-

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- torqueNA N.cm

TOOLING

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

OTHER CHARACTERISTICS

*-90 up to 18 GHz

** See the TDS of the cable assembly

Locking retention > 450 N

500 matings/dematings of the locking sleeve

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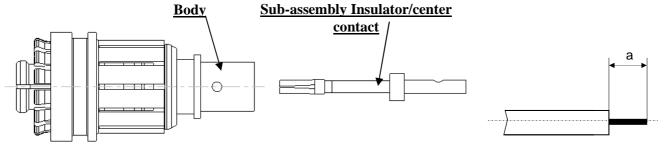
STRAIGHT PLUG SOLDER TYPE

CABLE .085

R222.L80.010

Series: SMP LOCK

COMPONENTS



We recommend a cable thermal preconditioning before assembly

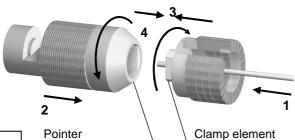
1

Insert the cable into the clamp element.

Present the pointer in front of the clamp element.

Push the cable until it stops, while holding the clamp element pushed on the hollow part of the pointer.

Turn the clamp element until the release of the pointer.

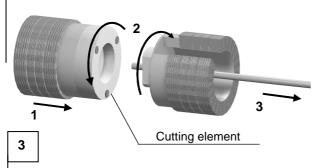


2

Present the cutting element in front of the clamp element.

Push and turn both elements, back part opposite to the front part.

Once they reach the stop, pull without revolving.



If necessary trim the inner of the cable with the pointer Gauge.

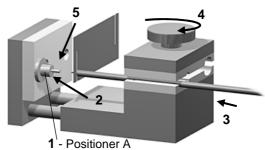
3

Mount the positioner A.

Slide the center contact into the positioner A.

Insert the solder gauge between the sub-assembly insulator/center contact and the cable. The gap must be of 0.1 mm

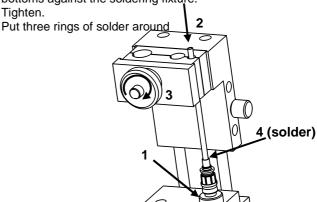
Tighten.Solder the center contact.



4

After cooling, remove the assembly from the jig. Put the connector in position unlocked on the positioner

Slide the cable into the connector until it bottoms against the soldering fixture.



5

After cooling, remove the assembly from the jig.

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