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PAGE 2/3

ISSUE 08-02-21A

SERIES SMP LOCK

PART NUMBER R222L80010

PACKAGING

Standard	Unit	Other
100	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-40	GHz
VSWR	**1.3 + 0,000	x F(GHz) Maxi
Insertion loss	**0.1	√F(GHz) dB Maxi
RF leakage	- (*90	- 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	6.7	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	0,000	mm

Mating life	500	Cycles mini
Nominal Weight (Add +15% for max weight)	1,600	g

ENVIRONMENTAL

Operating temperature	-55/+125	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	1,780	0,000	0,000	0,000	0,000	0,000

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	***	N mini
- torque	NA	N.cm

TOOLING

Part Number	Description	Hexagon
R282051000	STRIPPING TOOL .085	
R282062010	POINTER GAUGE FOR .085 STRIP 1.3	
R282740030	SOLDERING FIXTURE	
R282744253	POSITIONER FOR SOLDERING SMP F CONT.	
R282743120	POSIT FOR SOLDERING SMP F CONT. STRAIGHT R/A	

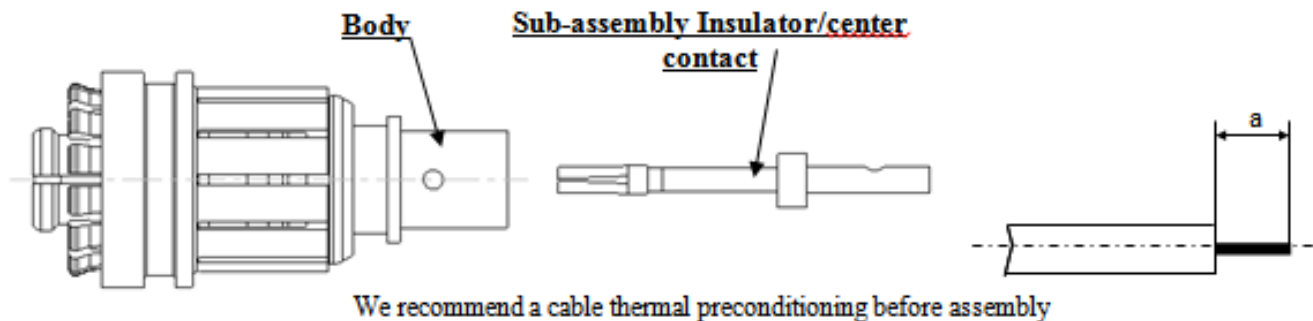
OTHER CHARACTERISTICS

*-90 up to 18 GHz

**DC-26.5GHz

*** See the TDS of the cable assembly, Locking retention > 450 N
500 matings/dematings of the locking sleeve

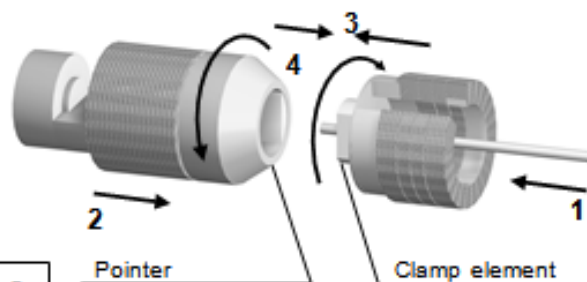
COMPONENTS



We recommend a cable thermal preconditioning before assembly

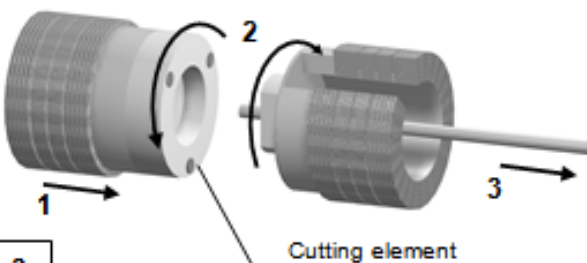
1

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.

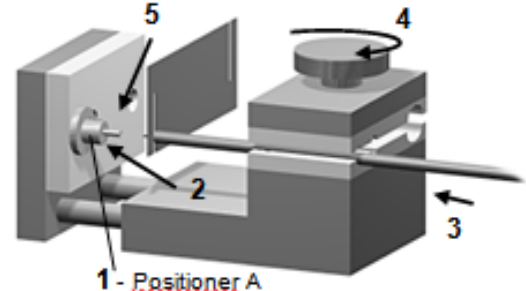


3

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

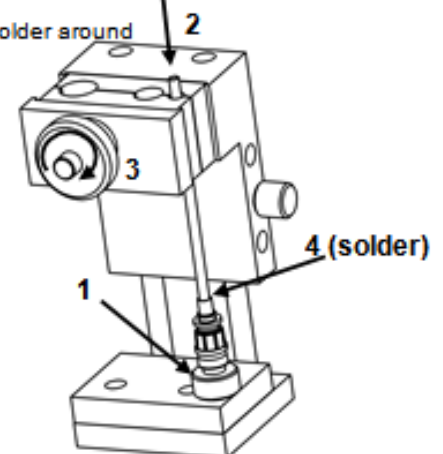
3

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.
Tighten.
Put three rings of solder around



5

After cooling, remove the assembly from the jig.