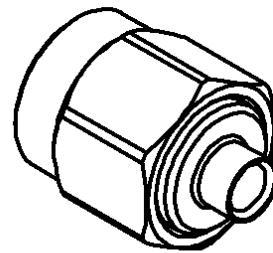
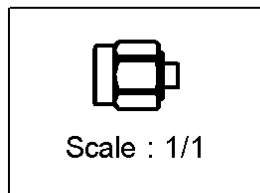
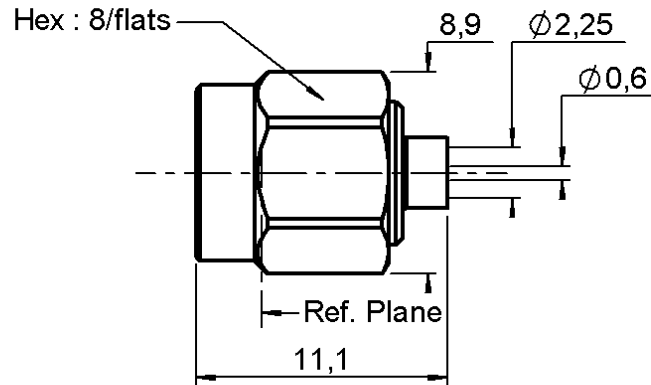


**STRAIGHT PLUG SOLDER TYPE**

**CABLE .085**

**R125.052.002**

Series : SMA



CECC 22111-802-04

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	STAINLESS STEEL	GOLD 0.5 OVER NICKEL 2
CENTER CONTACT	BRASS	GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	SILICONE RUBBER	PASSIVATED .
OTHERS PARTS	STAINLESS STEEL	-
-	-	-
-	-	-

Issue : 0115 C

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



**STRAIGHT PLUG SOLDER TYPE****R125.052.002****CABLE .085**

Series : SMA

**PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**ELECTRICAL CHARACTERISTICS**

Impedance		<b>50</b> $\Omega$
Frequency		<b>0-18</b> GHz
VSWR	<b>1.07</b> +	<b>0.008</b> x F(GHz) Maxi
Insertion loss		<b>0.03</b> $\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (	<b>90</b> - F(GHz)) dB Maxi
Voltage rating		<b>335</b> Veff Maxi
Dielectric withstanding voltage		<b>750</b> Veff mini
Insulation resistance		<b>5000</b> M $\Omega$ mini

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>NA</b>	N mini
Axial force – Opposite end	<b>NA</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>100</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Clamp nut	<b>NA</b>	N.cm
A/F clamp nut	<b>0.000</b>	mm
Mating life	<b>500</b>	Cycles mini
Weight	<b>2.300</b>	g

**ENVIRONMENTAL**

Operating temperature	<b>-65/+105</b>	° C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**SPECIFICATION****CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	3.17	0.00	0.00	0.00	0.00	0.00

Assembly instruction : **Solder 01**

Recommended cable(s)  
 RG 405  
 KS 1

Cable retention  
 - pull off **130** N mini  
 - torque **NA** N.cm

**TOOLING**

Part Number	Description
.	.
R282.120.010	SMA TOOLBOX
R282.051.000	STRIPPING TOOL
R282.063.000	POINTER GAUGE
R282.730.040	INSULATOR MOUNTING TOOL
R282.740.000	SOLDERING MOUNTING
R282.744.060	SOLDERING POSITIONER (BODY)
R282.744.220	SOLDERING POSITIONER (CENTER CONTACT)
R282.862.060	CONTROL GAUGE
R282.914.000	CONTROLE GAUGE
R282.915.010	DIELECTRIC RECESS TOOL

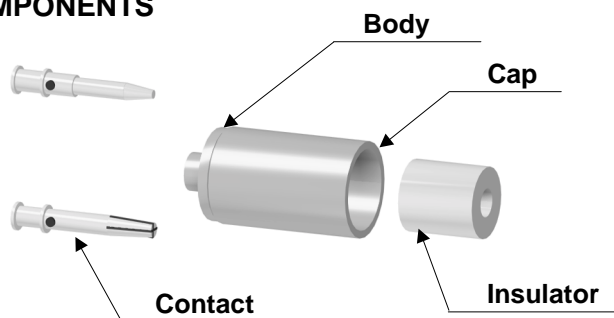
**OTHERS CHARACTERISTICS****Issue : 0115 C**

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



# Solder 01 : Straight version

## COMPONENTS



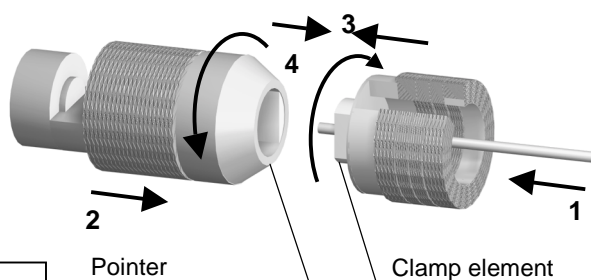
## STRIPPING DIMENSIONS



We recommend a cable thermal preconditioning before assembly

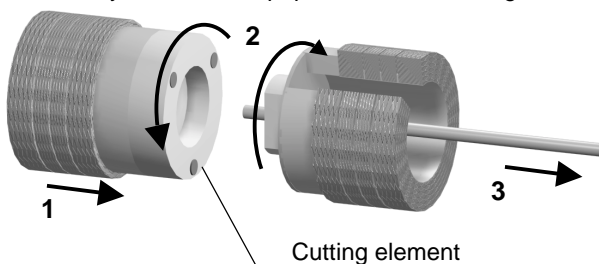
1

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.



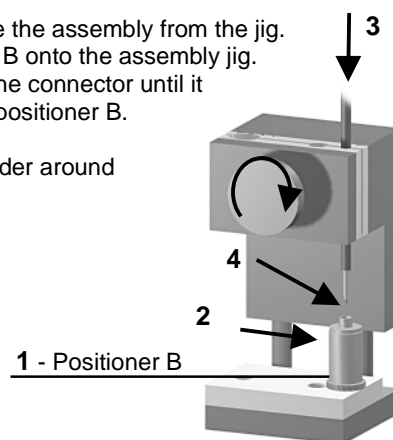
2

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.



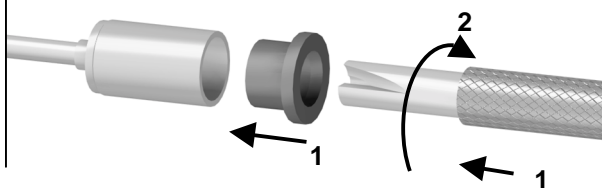
4

After cooling, remove the assembly from the jig.  
Screw the positioner B onto the assembly jig.  
Slide the cable into the connector until it bottoms against the positioner B.  
Tighten.  
Put three rings of solder around the cable and solder.



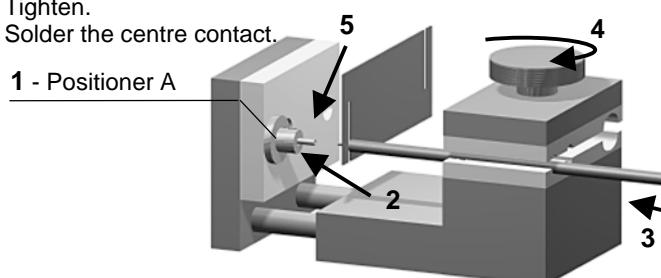
5

After cooling, remove the assembly from the jig.  
Screw dielectric recess gauge and trim dielectric.



3

Mount the positioner A.  
Slide the centre contact into the positioner A.  
Insert the solder gauge between the centre contact and the cable.  
Tighten.  
Solder the centre contact.



6

Screw dielectric insert tool onto the connector and insert the insulator with the dielectric plunger.

