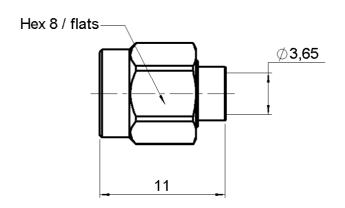
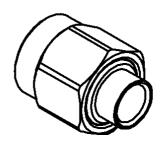
STRAIGHT PLUG SOLDER TYPE

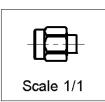
R125.057.002

WITHOUT CONTACT - CABLE .141

Series : SMA







All dimensions are in mm.



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

Issue: 9840 A

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STRAIGHT PLUG SOLDER TYPE

WITHOUT CONTACT - CABLE .141

R125.057.002

Series : SMA

PACKAGING

Standard	Unit	Other	
100	'W' option	Contact us	

ELECTRICAL CHARACTERISTICS

 $\begin{array}{ccc} \text{Impedance} & & \textbf{50} \;\; \Omega \\ \text{Frequency} & & \textbf{0-18} \;\; \text{GHz} \end{array}$

VSWR 1.05 + 0.008 x F(GHz) Maxi Insertion loss 0.03 $\sqrt{F(GHz)}$ dB Maxi RF leakage - (90 - F(GHz)) dB Maxi

 $\begin{array}{cccc} \mbox{Voltage rating} & & \mbox{500 Veff Maxi} \\ \mbox{Dielectric withstanding voltage} & & \mbox{1000 Veff mini} \\ \mbox{Insulation resistance} & & \mbox{5000 } \mbox{M}\Omega \mbox{ mini} \end{array}$

MECHANICAL CHARACTERISTICS

Center contact retention

Axial force – Mating end
Axial force – Opposite end
Torque

NA N mini
NA N mini
NA N.cm mini

Recommended torque

Mating 100 N.cm
Panel nut NA N.cm
Clamp nut NA N.cm
A/F clamp nut 0.000 mm

Mating life 500 Cycles mini

Weight **2.800** g

ENVIRONMENTAL

Operating temperature -65/+105 ° C

Hermetic seal **NA** Atm.cm3/s

Panel leakage NA

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	С	d	e	f
mm	2.16	0.00	0.00	0.00	0.00	0.00

Assembly instruction:

Recommended cable(s)

RG 402 KS 2

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- torqueN miniNA N.cm

TOOLING

Part Number	Description	Hexagon
•		
R282.120.010	SMA TOOLBOX	
R282.053.100	STRIPPING TOOL	
R282.059.100	CABLE HOLDER	
R282.066.100	POINTER GAUGE	
R282.200.000	PLIERS	
R282.740.000	SOLDERING	
	MOUNTING	
R282.744.100	SOLDERING	
	POSITIONER	
R282.760.000	SMA RETAINING	
	RING INSERT	
	TOOL	

OTHERS CHARACTERISTICS

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STRAIGHT PLUG SOLDER TYPE

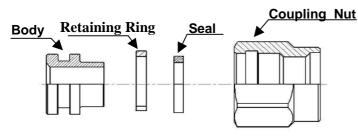
WITHOUT CONTACT - CABLE .141

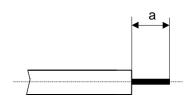
R125.057.002

Series: SMA

COMPONENT

STRIPPING DIMENSIONS





We recommend a thermal preconditionning cable.

1

Place the cable into the assembly jig (R282.740.000). Place the connector body and positioner (R282.744.100) onto the cable and clamp cable. Put 3 rings of solder around the cable.

2

Immobilize the cable using the thumb crew on the cable holder (R282.059.100).

Get the positioner into the connector groove, using knurled push-buttom.

Push buttom until it stops.

Solder the body onto the cable.

Tighten cable.

Present the stripping tool (R282.053.100) opposite the cable holder.

Push and turn both elements with respect to each other.

When the tool stop cutting: pull off without turning it.

3

Present the trimmer (R282.066.100) opposite the cable holder, push and turn both elements with respect to each other until fully home.

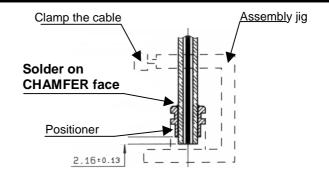
4

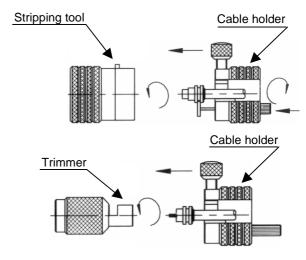
Place retaining ring onto its insert tool (R282.760.000). Push sub-assembly into the tool until the retaining ring snaps into place.

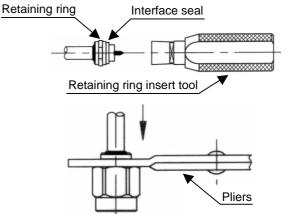
Place the interface seal O ring onto body.

5

Compress retaining ring using retaining ring pliers. Push coupling nut onto sub-assembly and over retaining ring.







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