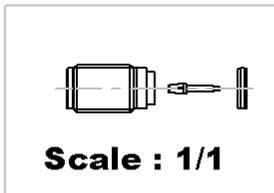
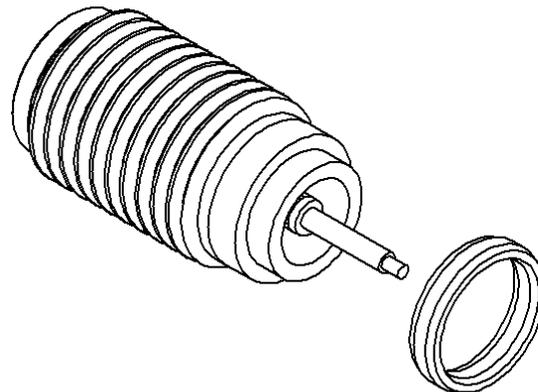
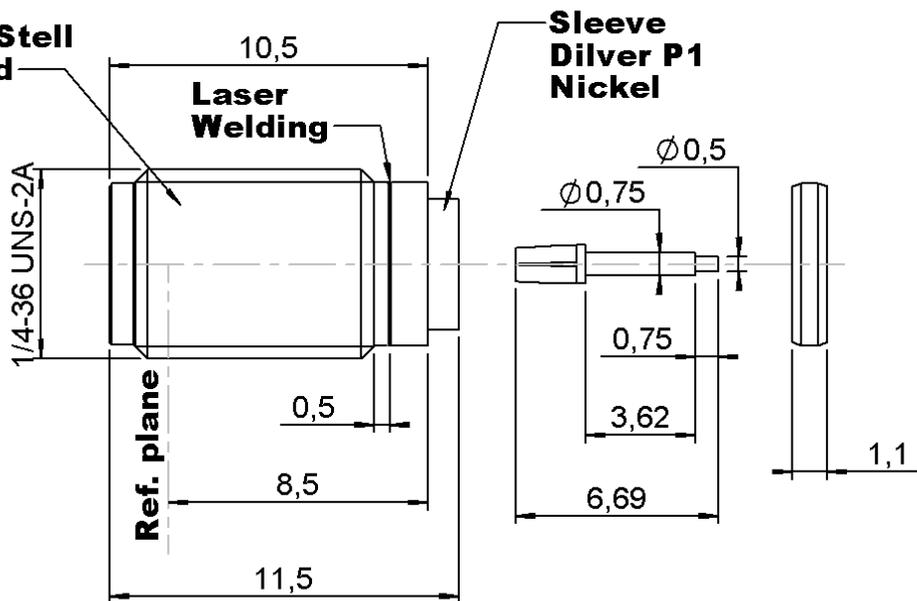


**SCREW ON FEMALE RECEPTACLE**  
**HERMETIC-WITH CYLINDRICAL CONTACT**

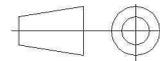
**R125.609.192**

Series : SMA

**Body**  
**Stainless Steel**  
**Passivated**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	STAINLESS STEEL	PASSIVATION
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL2
OUTER CONTACT	-	-
INSULATOR	PTFE+GLASS BEAD	-
GASKET	A-G4MC	-
OTHERS PARTS	-	-
SLEEVE	DILVER P1	NICKEL2
GLASS BEAD AXIS	DILVER P1	GOLD 0.2 OVER NICKEL2

Issue : 1942 B

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



**SCREW ON FEMALE RECEPTACLE**  
**HERMETIC-WITH CYLINDRICAL CONTACT**

**R125.609.192**

Series : SMA

**PACKAGING**

**SPECIFICATION**

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

**ELECTRICAL CHARACTERISTICS**

**ENVIRONMENTAL**

Impedance		<b>50</b> Ω
Frequency		<b>0-26.5</b> GHz
VSWR	<b>1.1 +</b>	<b>0,0100</b> x F(GHz) Maxi
Insertion loss		<b>0.3</b> √F(GHz) dB Maxi
RF leakage	- (	<b>90*</b> - F(GHz)) dB Maxi
Voltage rating		<b>500</b> Veff Maxi
Dielectric withstanding voltage		<b>1000</b> Veff mini
Insulation resistance		<b>5000</b> MΩ mini

Operating temperature	<b>-65/+165</b> ° C
Hermetic seal	<b>10-8</b> Atm.cm3/s
Panel leakage	<b>NA</b>

**OTHER CHARACTERISTICS**

Assembly instruction

Others :

\*Coaxial transmission line only

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end		<b>27</b> N mini
Axial force – Opposite end		<b>27</b> N mini
Torque		<b>2.8</b> N.cm mini
Recommended torque		
Mating		<b>NA</b> N.cm
Panel nut		<b>280</b> N.cm
Mating life		<b>500</b> Cycles mini
Weight		<b>1,6400</b> g

Issue : 1942 B

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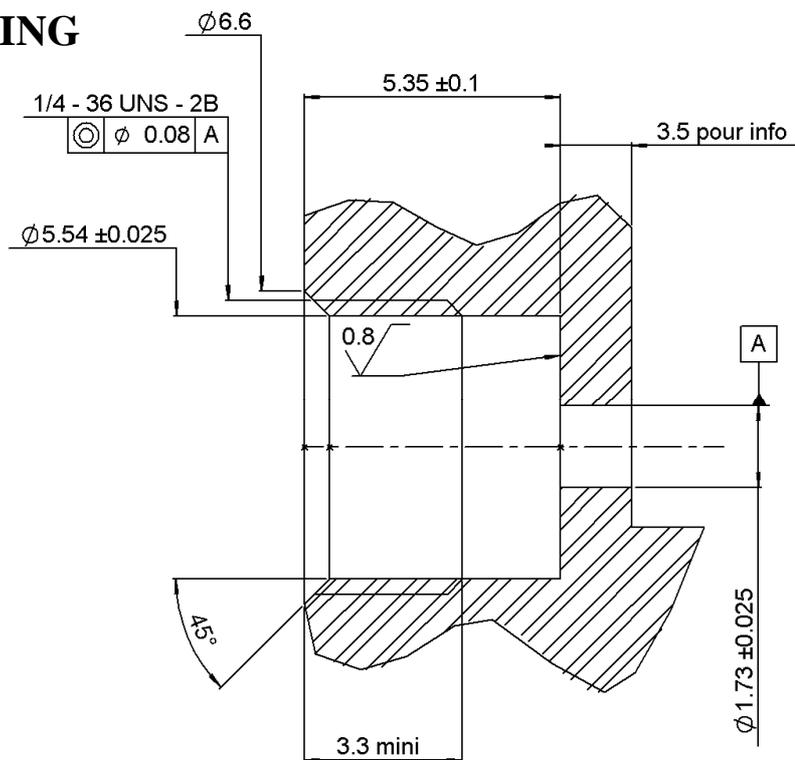
**RADIALL** 

**SCREW ON FEMALE RECEPTACLE  
HERMETIC-WITH CYLINDRICAL CONTACT**

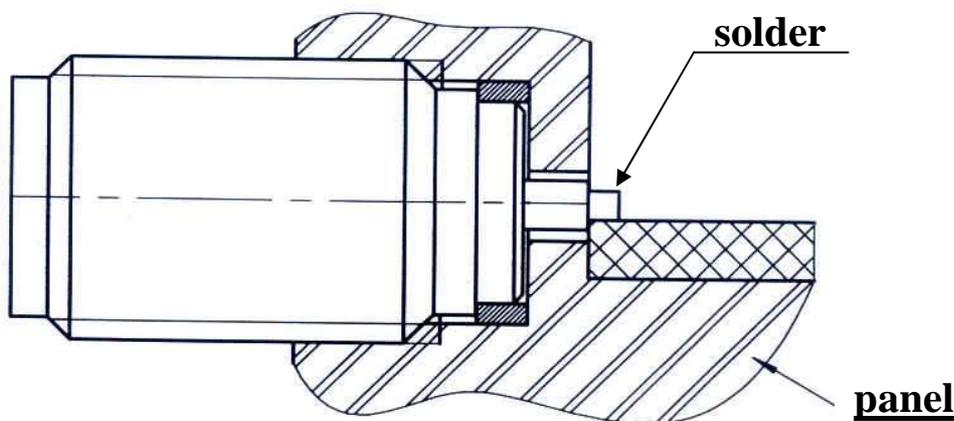
**R125.609.192**

Series : SMA

**PANEL DRILLING**



**MOUNTING**



**Mount metal gasket onto connector. Screw the whole into the housing. Tighten the connector up to 280Ncm+or-10Ncm(use special tooling set RADIALL R282.341.012 )Thus the connexion hermeticity is guaranteed at 10-8cc/sec.  
Then solder the pin on the track.  
Beware there is not too much solder.**

Issue : 1942 B

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