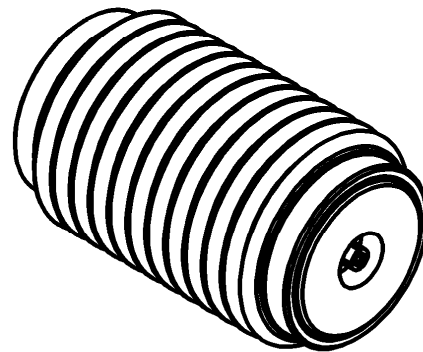
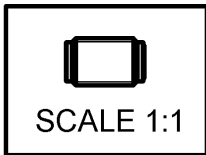
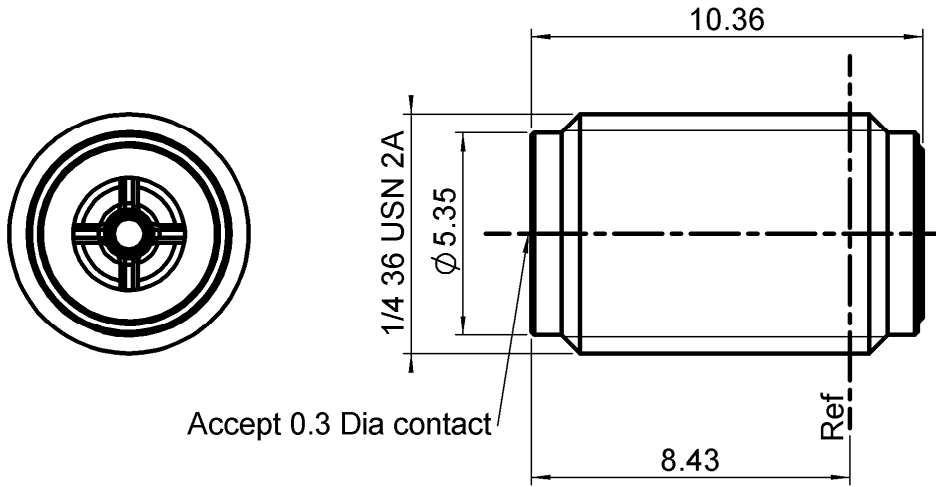


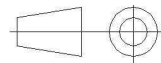
UNIVERSAL SCREW RECEPTACLE
FOR AXIS 0.3 MM

R127.601.001

Series : SMA2.9



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	STAINLESS STEEL	PASSIVATED
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	POLYIMIDE KAPTON 500H	-
GASKET	-	-
OTHERS PARTS	BRASS	GOLD 0.2 OVER NICKEL 2
-	-	-
-	-	-

Issue : 1018 C

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



UNIVERSAL SCREW RECEPTACLE

R127.601.001

FOR AXIS 0.3 MM

Series : SMA2.9

PACKAGING

SPECIFICATION

Standard	Unit	Other
1	-	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

Impedance	50	Ω
Frequency	0-46	GHz
VSWR	1.05 + 0,0060	x F(GHz) Maxi
Insertion loss	-	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (- F(GHz)) dB Maxi
Voltage rating	250	Veff Maxi
Dielectric withstanding voltage	750	Veff mini
Insulation resistance	5000	M Ω mini

Operating temperature	-65,+165	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHERS CHARACTERISTICS

Assembly instruction

Others :

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	15	N mini
Axial force – Opposite end	15	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	190	N.cm
Mating life	500	Cycles mini
Weight	1,8040	g

Issue : 1018 C

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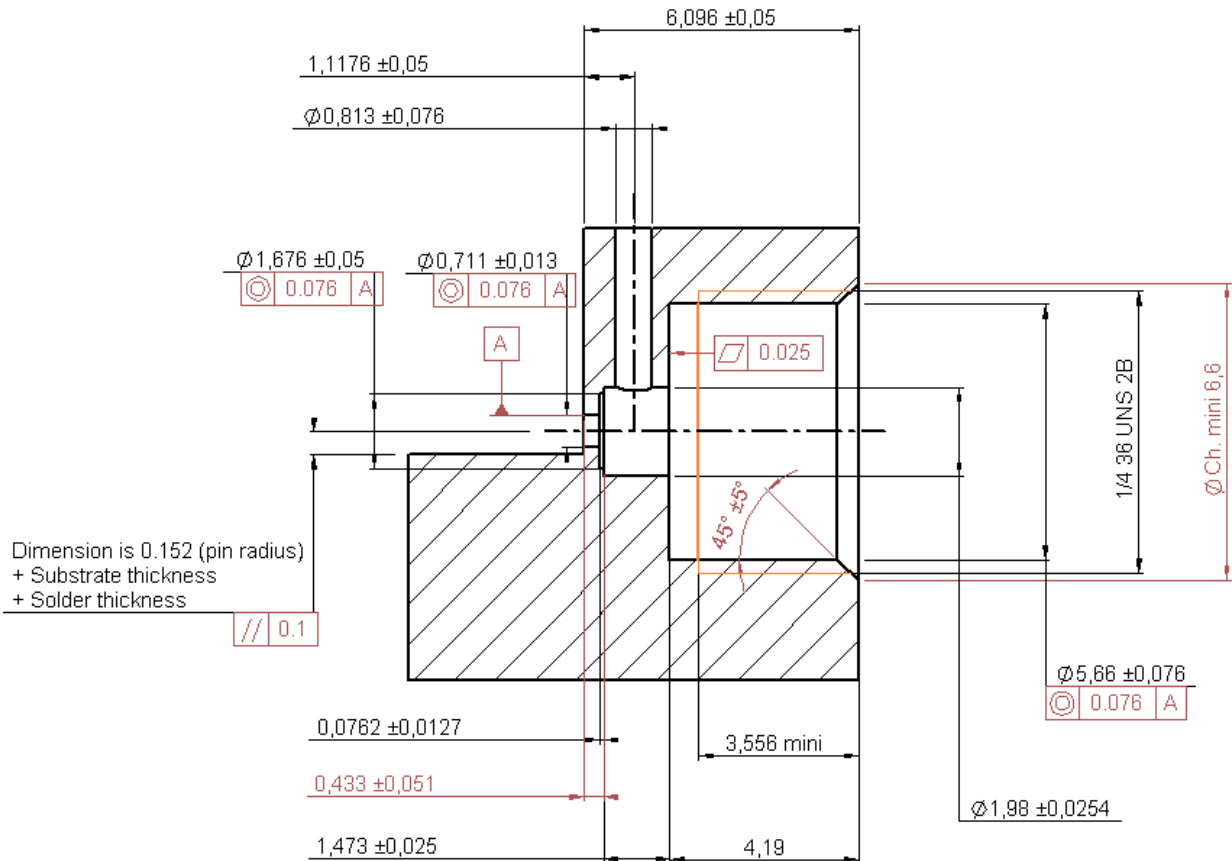
UNIVERSAL SCREW RECEPTACLE

R127.601.001

FOR AXIS 0.3 MM

Series : SMA2.9

Panel drilling for screwing receptacle SMA 2.9



To obtain correct concentricity and dimensions on the receptacle piercing,
we recommend to use RADIALL special tools:

R282.080.000 piercing tool
and R282.082.000 screwing tool

Issue : 1018 C

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UNIVERSAL SCREW RECEPTACLE

FOR AXIS 0.3 MM

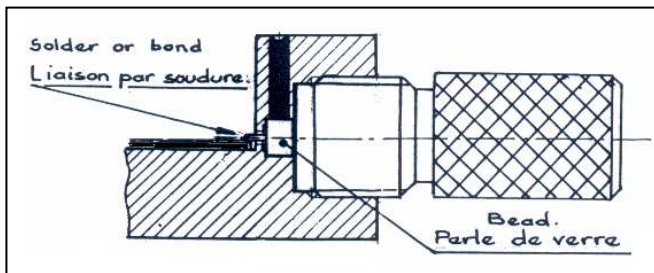
R127.601.001

Series : SMA2.9

1

SOLDERING of the glass bead

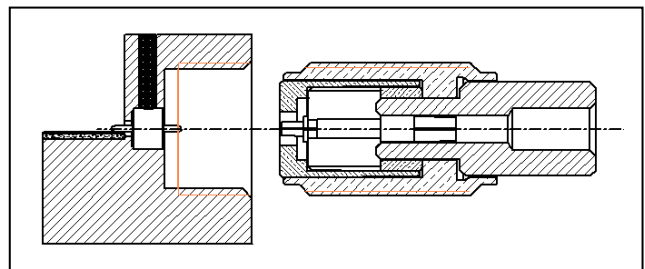
Set up of the R280.760.000 glass bead in the housing.
keep the glass bead into position thanks to
R282.745.000 positioner



3

MOUNTING of the flange on the box

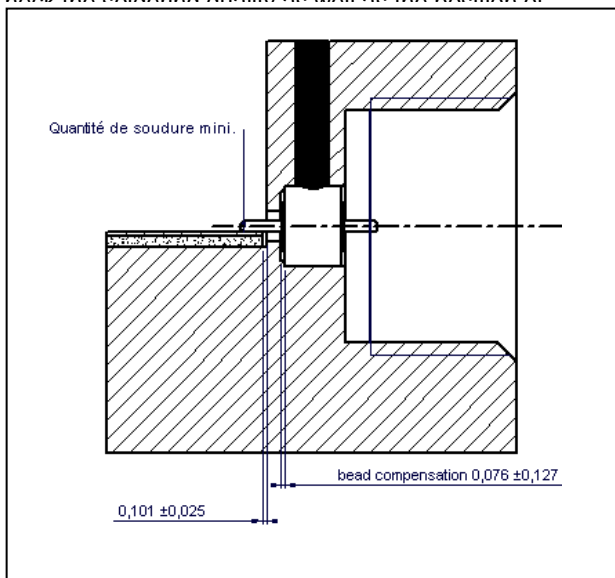
Set up the R282.860.000 position gauge on the flange
to ensure a good concentricity.
Screw the assembly on the housing.



2

POSITION of the glass bead after soldering

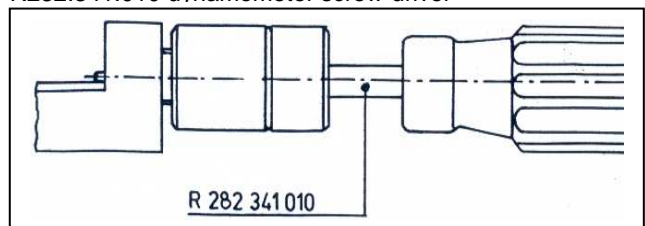
Check the soldering quality as well as the position of



4

Locking of the flange on the box

Lock the flange on the housing thanks to
R282.341.010 dynamometer screw-driver



Issue : 1018 C

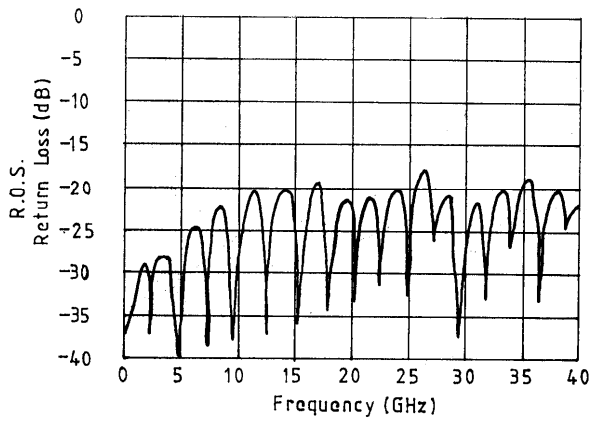
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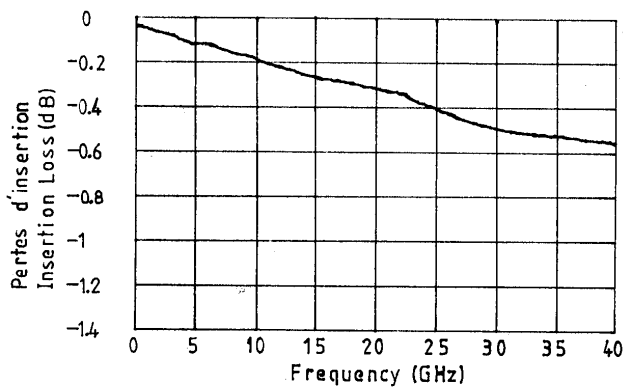
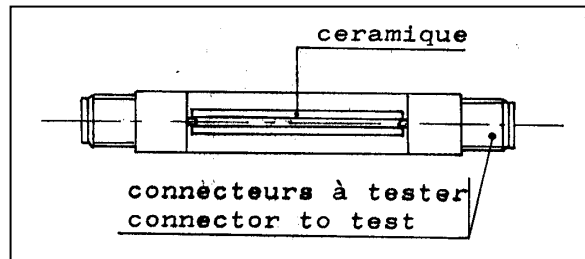
**UNIVERSAL SCREW RECEPTACLE
FOR AXIS 0.3 MM**

R127.601.001

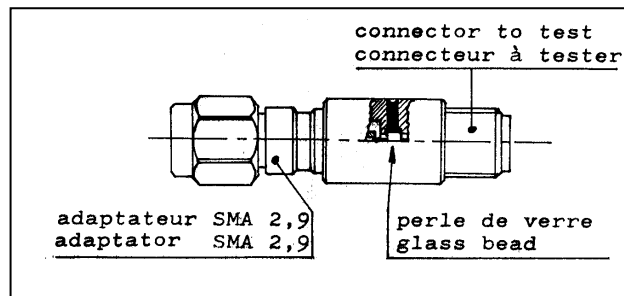
Series : SMA2.9



Typical return loss of a connector pair with two glass beads joined by 1 inch microstrip



Insertion loss measurements in coaxial circuit with glass bead



Issue : 1018 C

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