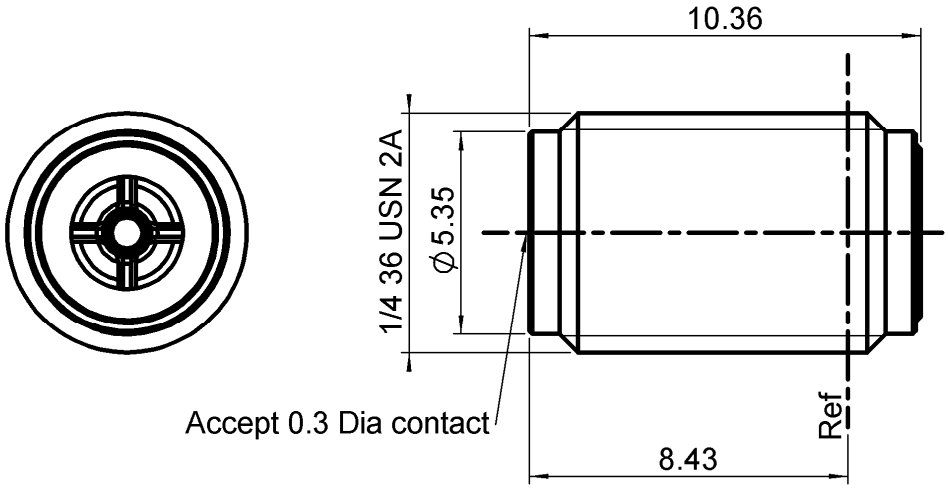
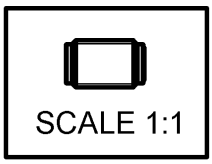
UNIVERSAL SCREW RECEPTACLE

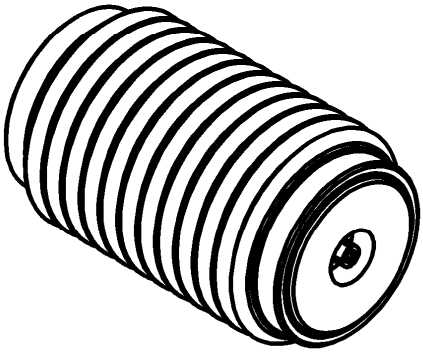
FOR AXIS 0.3 MM

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 NICKEL2**
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.

RADIALL®

UNIVERSAL SCREW RECEPTACLE

FOR AXIS 0.3 MM

R127.601.001

Series : **SMA2.9**

PACKAGING

Standard	Unit	Other
1	-	**Contact us**

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-46**	GHz
VSWR	**1.05** +	**0,0060**	x F(GHz) Maxi
Insertion loss		**-**	√F(GHz) dB Maxi
RF leakage	- (	**-**	- F(GHz)) dB Maxi
Voltage rating		**250**	Veff Maxi
Dielectric withstanding voltage		**750**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

Operating temperature	**-65,+165**	° 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

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

RADIALL®

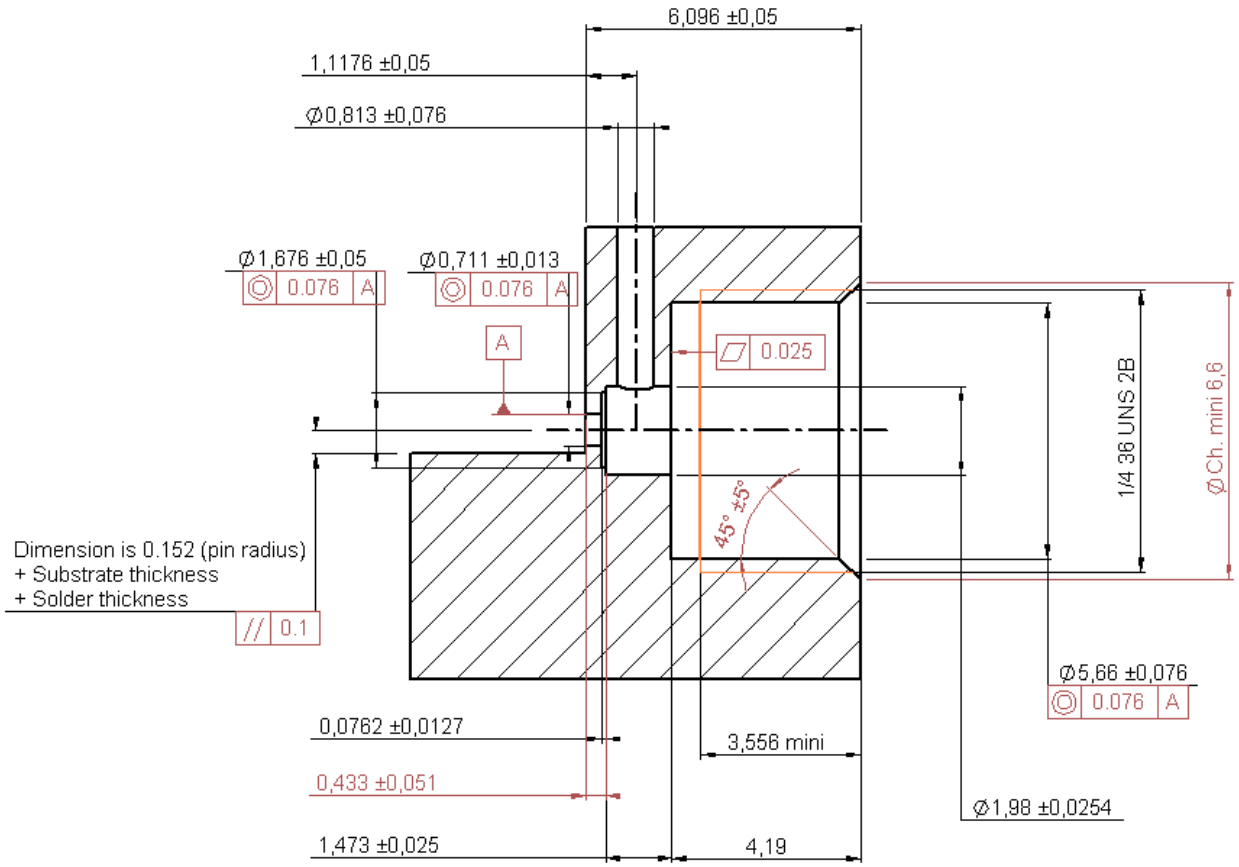
UNIVERSAL SCREW RECEPTACLE

FOR AXIS 0.3 MM

R127.601.001

Series : **SMA2.9**

Panel drilling for sercewing 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

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

RADIALL®

UNIVERSAL SCREW RECEPTACLE

FOR AXIS 0.3 MM

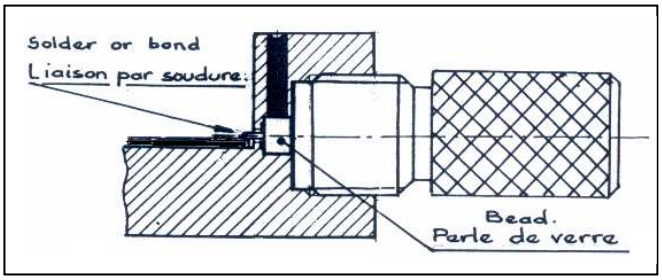
R127.601.001

Series : **SMA2.9**

1

SOLDERING of the glass bead

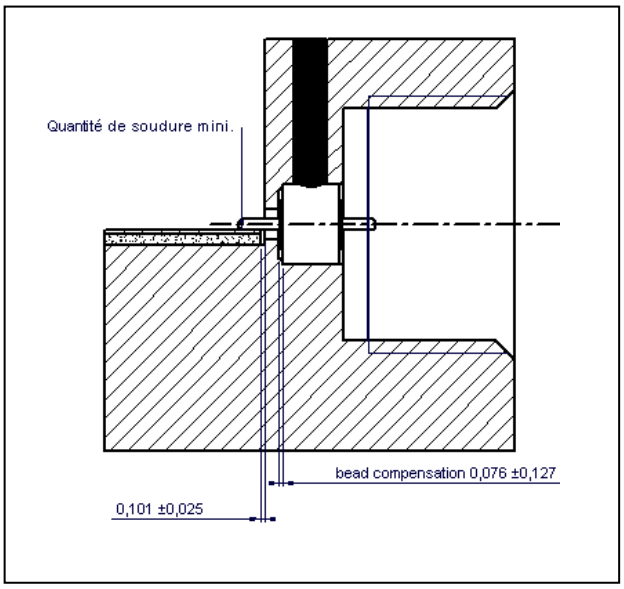
Set up of the R280.760.000 glass bead in the housing.
keep the glass bead into position thanks to
R282.745.000 positioner



2

POSITION of the glass bead after soldering

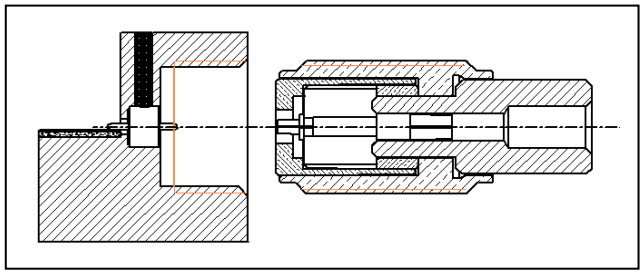
Check the soldering quality as well as the position of



3

MOUNTING of the flange on the box

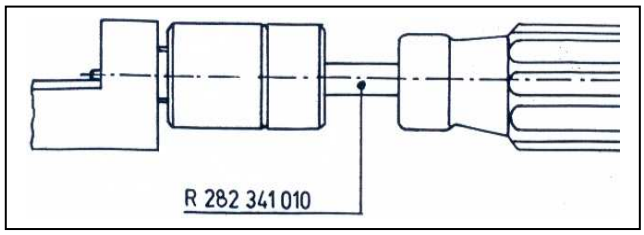
Set up the R282.860.000 position gauge on the flange
to ensure a good concentricity.
Screw the assembly on the housing.



4

Locking of the flange on the box

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



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

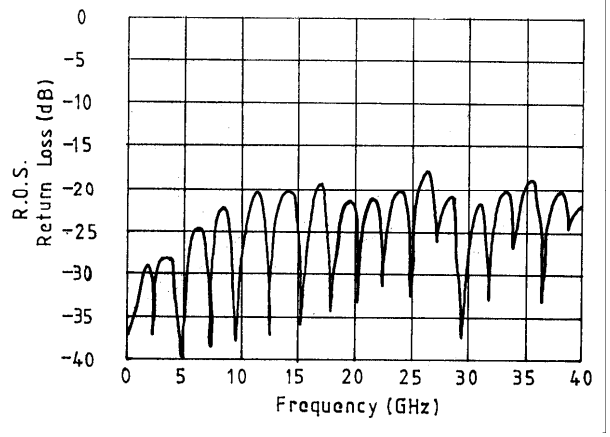
RADIALL®

UNIVERSAL SCREW RECEPTACLE

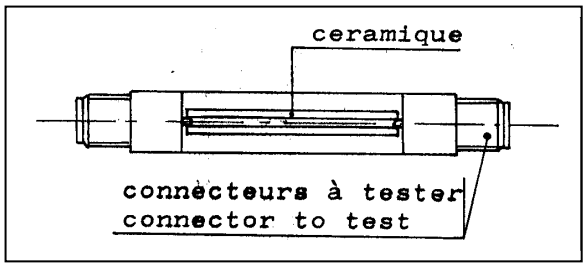
FOR AXIS 0.3 MM

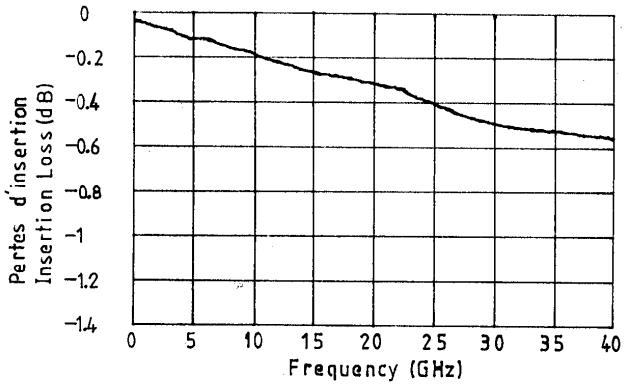
R127.601.001

Series : **SMA2.9**

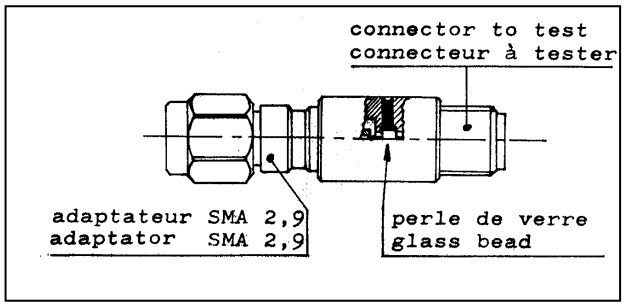


Typical return loss of a connector pair with two glass beads joined by 1 inchmicrostrip





Insertion loss measurements in coaxial circuit with glass bead



Issue : 1018 C

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

RADIALL®

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radiall:
R127601001