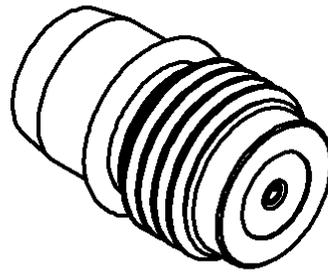
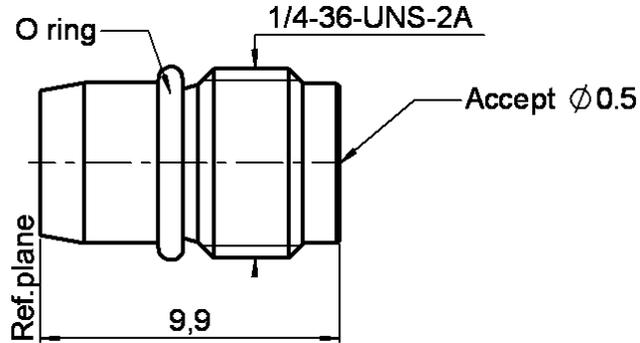


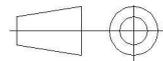
**MALE THREAD-IN RECEPTACLE  
FOR 0.5MM PIN**

**R128.556.011**

Series : BMA



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	PTFE	-
GASKET	SILICONE RUBBER	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0448 C

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



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FOR 0.5MM PIN**

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Series : BMA

**PACKAGING**

**SPECIFICATION**

Standard	Unit	Other
<b>1</b>	-	<b>Contact us</b>

**ELECTRICAL CHARACTERISTICS**

**ENVIRONMENTAL**

Impedance		<b>50</b> Ω
Frequency		<b>0-22</b> GHz
VSWR	<b>*1.25</b> +	<b>0.000</b> x F(GHz) Maxi
Insertion loss		<b>0.07</b> √F(GHz) dB Maxi
RF leakage	- (	<b>NA</b> - F(GHz)) dB Maxi
Voltage rating		<b>500</b> Veff Maxi
Dielectric withstanding voltage		<b>1500</b> Veff mini
Insulation resistance		<b>5000</b> MΩ mini

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

**OTHERS CHARACTERISTICS**

Assembly instruction

Others :  
\*0-10 GHz

**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>NA</b>	N.cm mini
Recommended torque		
Mating	<b>NA</b>	N.cm
Panel nut	<b>60</b>	N.cm
Mating life	<b>1000</b>	Cycles mini
Weight	<b>1.060</b>	g

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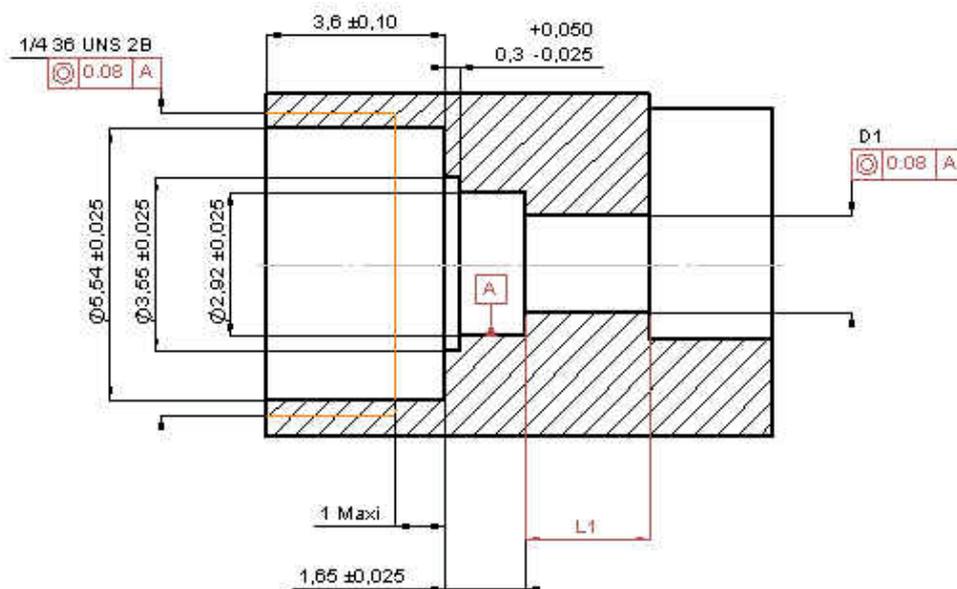


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**RECOMMENDED MOUNTING HOLE DETAIL**



D1 and L1 dimensions have to be determined according to each application.

We advise of two following case : (see page 4)

-using of the R280 469 010 removable socket :

$$D1 = 2 + \text{or} - 0.02$$

$$L1 = 2.5 + \text{or} - 0.1$$

-the bead pin is directly welded on the track :

$$D1 = 1.08 + \text{or} - 0.02$$

L1 = 1 to 4 according to customer's design criteria.

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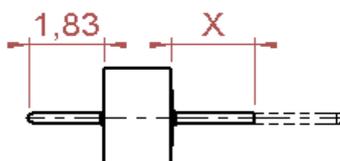


**MALE THREAD-IN RECEPTACLE  
FOR 0.5MM PIN**

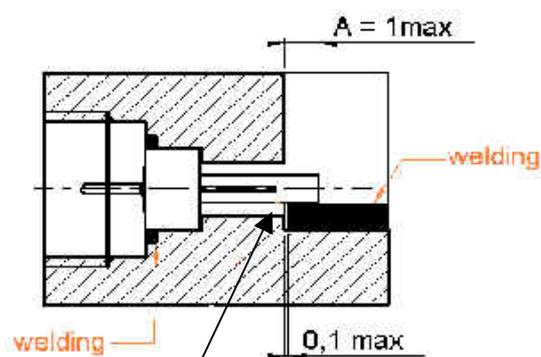
**R128.556.011**

Series : BMA

**ASSEMBLY INSTRUCTIONS**

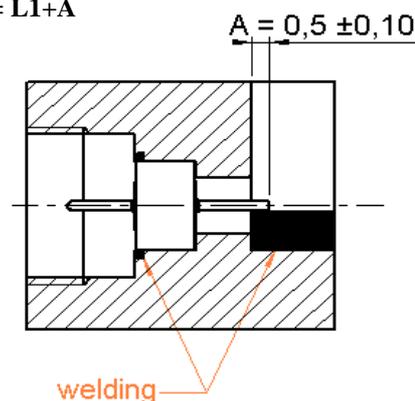


$X = 2 \pm 0.5$



R280.469.010

$X = L1 + A$



**GLASS BEAD**

- 1- Adjust X by cutting the pin if necessary.
- 2- Introduce the glass bead into its housing as here above (with the mounted socket)
- 3- Weld the ring by putting a welding wire in the groove.
- 4- Weld the pin (or socket) on the track. Beware of putting too much welding

IMPORTANT : for maximum RF characteristics the link track/pin must be as thin as possible.

We advise you to respect rigorously the A dimension, by welding accurately the bead pin directly on the track (right drawing).

**CONNECTOR**

-Screw the connector into the housing. Thigten it up to 60 cmN + or -10 cmN

(use special tooling set RADIALL R282 340 010).

Issue : 0448 C

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