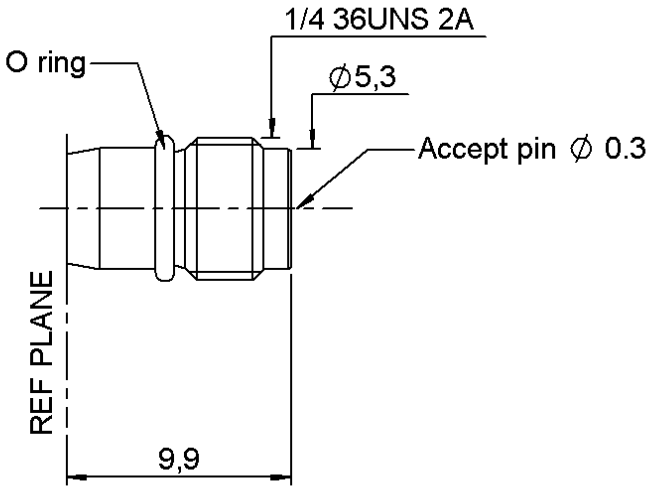
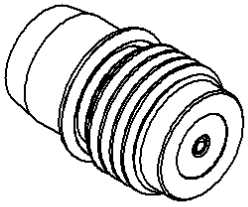
MALE THREAD-IN RECEPTACLE

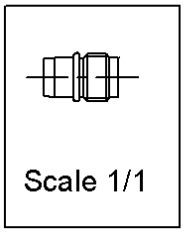
FOR 0.3 MM AXE

R128.556.001

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 B

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

RADIALL®

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PACKAGING

Standard	Unit	Other
1	-	**Contact us**

SPECIFICATION

ELECTRICAL CHARACTERISTICS

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

ENVIRONMENTAL

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

OTHERS CHARACTERISTICS

Assembly instruction **NA**

Others :
* de 0 -10 Ghz

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**27**	N mini
Axial force – Opposite end	**27**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**60**	N.cm
Mating life	**1000**	Cycles mini
Weight	**1.600**	g

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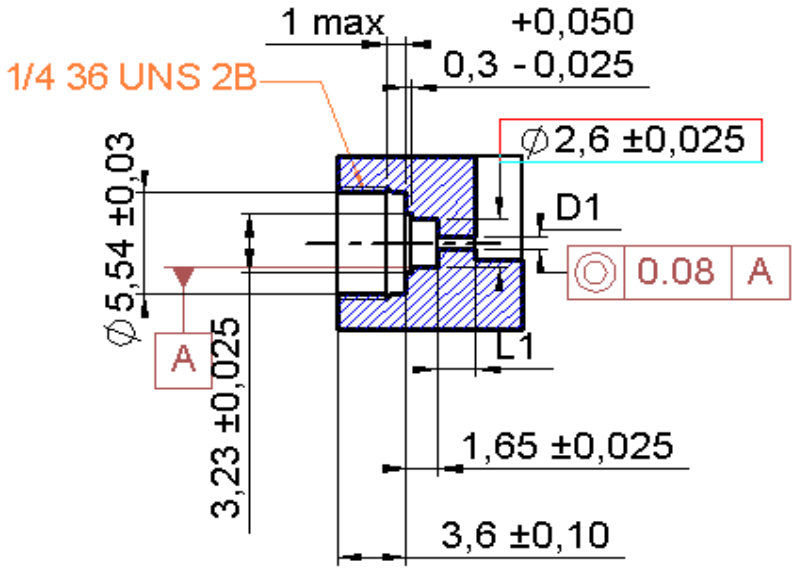
RECOMMENDED MOUNTING HOLE DETAIL



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

We advise of two following case : (see page 3)

-using of the R280 469 000 removable socket :

D1 = 2 + or – 0.02 L1 = 2.5 + or – 0.1

-the bead pin is directly welded on the track :

D1 = 0.70 + or – 0.02

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

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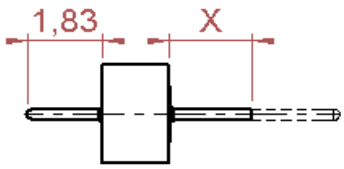
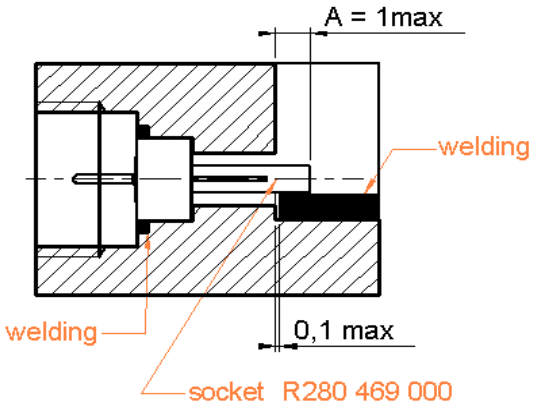
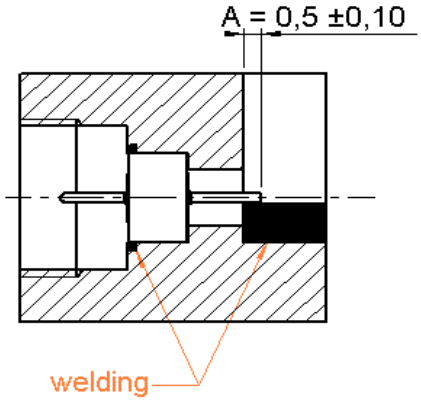
ASSEMBLY INSTRUCTIONS







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 280 cmN + or –10 cmN

(use special tooling set RADIALL R282 340 010).