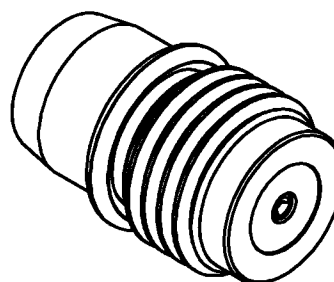
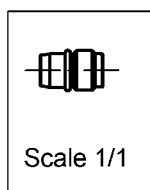
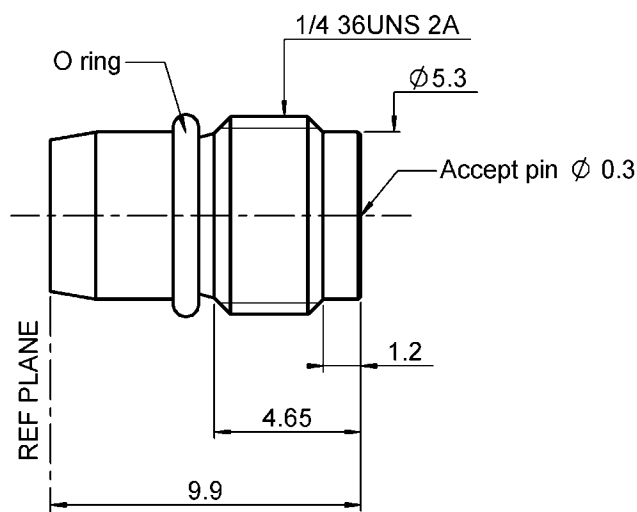


MALE THREAD-IN RECEPTACLE**FOR AXIS 0.3 MM****R128.556.000**Series : **BMA**

All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	-	GOLD 0.5 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	.GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	SILICONE RUBBER	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0745 B

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



MALE THREAD-IN RECEPTACLE**FOR AXIS 0.3 MM****R128.556.000**Series : **BMA****PACKAGING**

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-22	GHz
VSWR	*1.25 + 0,0000	x F(GHz) Maxi
Insertion loss	0.07	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (NA)	- F(GHz) dB Maxi
Voltage rating	500	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	5000	M Ω mini

ENVIRONMENTAL

Operating temperature	-65/+105	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

* @ 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	1,0700 g

Issue : 0745 B

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R128.556.000

Series : **BMA**

Technical drawing of a mechanical part showing cross-section A-A.

Material: 1/4-36-UNS-2B

Surface Texture Symbols:

- Top surface: $\phi \ 0.08 \ A$
- Inner bore surface: $\phi \ 0.08 \ A$

Dimensions:

- Overall width: 1 max
- Top flange thickness: $+0.050 / 0.3 - 0.025$
- Outer diameter at top: $\phi 5.54 \pm 0.025$
- Inner bore diameter: $\phi 2.6 \pm 0.025$
- Bottom section outer diameter: $\phi 6.6$
- Bottom section inner diameter: $\phi 3.23 \pm 0.025$
- Bottom section length: 3.6 ± 0.10
- Bottom section offset: 1.65 ± 0.025
- Section line label: **A**
- Angle: 45°
- Dimension L1: Indicated by a horizontal arrow pointing right from the centerline.
- Dimension D1: Indicated by a vertical arrow pointing down from the top surface.

We advice in the two following situations : (see page 4)

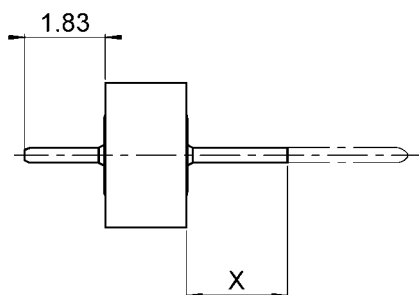
- **Using of the R280.469.000 removable socket :**
 $D1 = 2 \pm 0.02$ $L1 = 2.5 \pm 0.1$
- **The bead pin is directly welded on the track :**
 $D1 = 0.7 \pm 0.02$ $L1 = 1 \text{ à } 4 \text{ mm}$ according to the customer's design criteria.

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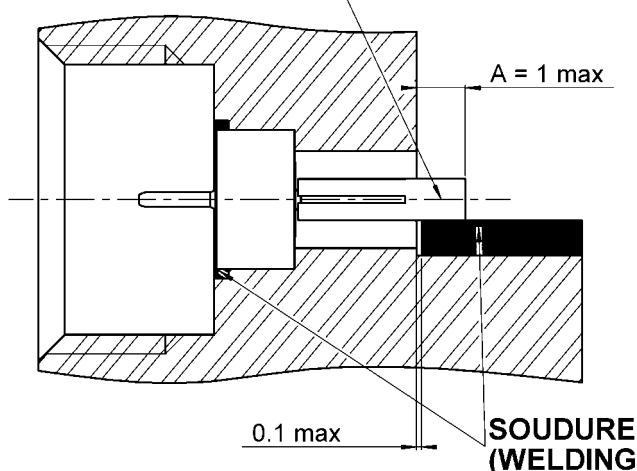


MALE THREAD-IN RECEPTACLE**FOR AXIS 0.3 MM****R128.556.000**

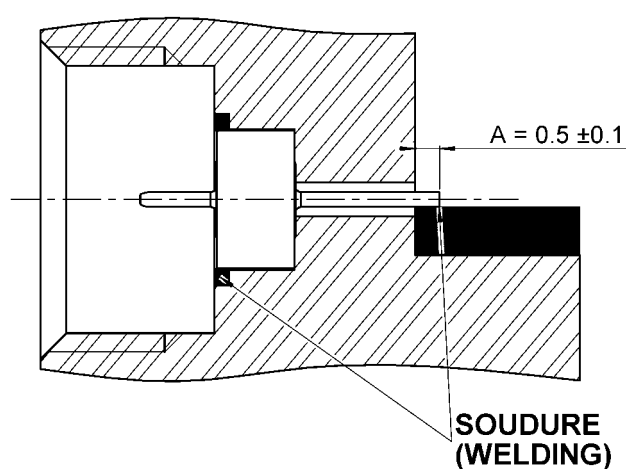
Series : BMA

RECOMMENDED
MOUNTING

$$X = 2 \pm 0.5$$

douille R280.469.000
(socket)

$$X = L1 + A$$

**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 weld !
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

1. Set up the EMI screening gasket in the connector groove.
2. Put the connector on the housing while introducing the bead pin into the socket, then mount the fixtures of the flange.

Issue : 0745 B

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