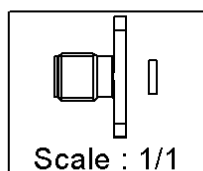
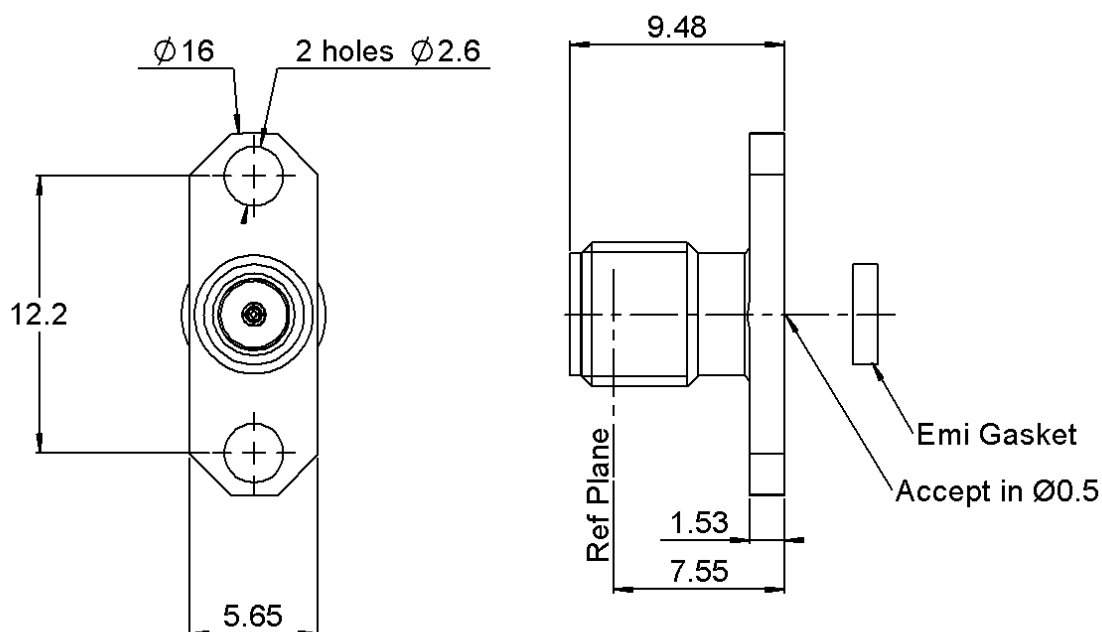


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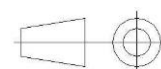
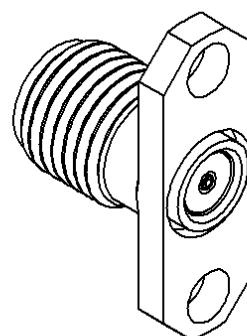
ISSUE **09-12-16C**

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All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
Body	STAINLESS STEEL	GOLD OVER NICKEL
Center contact	BERYLLIUM COPPER	GOLD OVER NICKEL
Outer contact	-	-
Insulator	PTFE	-
Gasket	CONDUCTIVE SILICONE RUBBER	-
Others parts	-	-
-	-	-
-	-	-

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PART NUMBER **R125465010**

PACKAGING

Standard	Unit	Other
100	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50	Ω
Frequency		0-18	GHz
VSWR	1.10**	+	0,0100 x F(GHz) Maxi
Insertion loss		0.07*	√F(GHz) dB Maxi
RF leakage	- (60	- F(GHz) dB Maxi
Voltage rating		500	Veff Maxi
Dielectric withstanding voltage		1000	Veff mini
Insulation resistance		5000	MΩ mini

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		NA	N.cm
Mating life		500	Cycles mini
Weight		1,8300	g

ENVIRONMENTAL

Operating temperature	-65/+125	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

OTHER CHARACTERISTICS

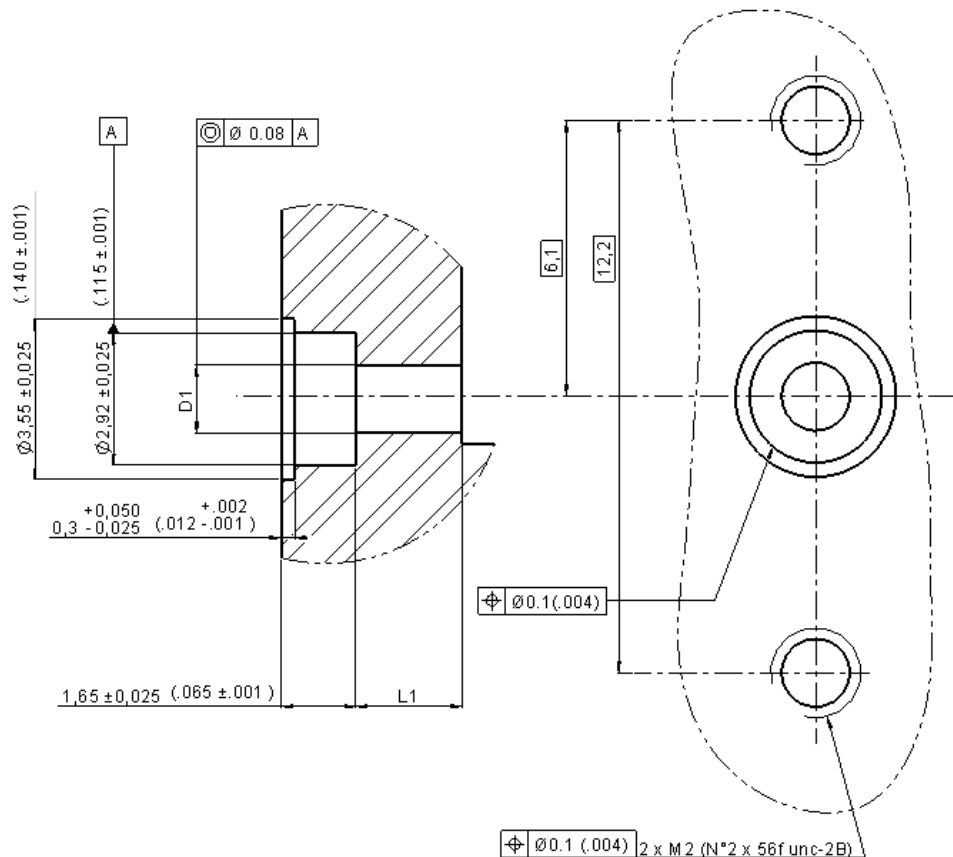
Assembly instruction:

Others:

****Mount it with R280.755.000 glass bead for hermetic application**

***Coaxial Transmission Line Only**

PANEL DRILLING



The D1 and L1 dimensions have to be determined according to each using situation.

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

- Using of the R280 469 010 removable socket :
 $D1 = 2 + ou - 0.02$ $L1 = 2.5 + ou - 0.1$
- The Bead pin is directly welded on the track :
 $D1 = 1.08 + ou - 0.02$ $L1 = \text{From 1 to 4 according to th customer's design criteria.}$

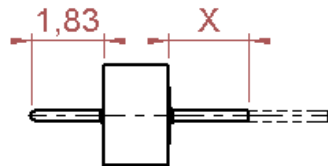
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SERIES SMA

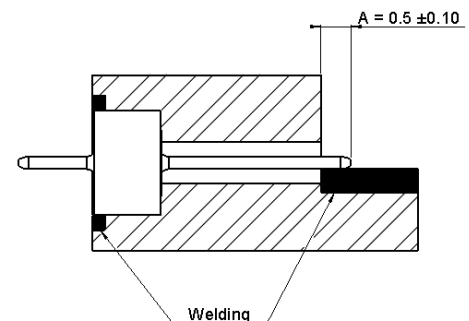
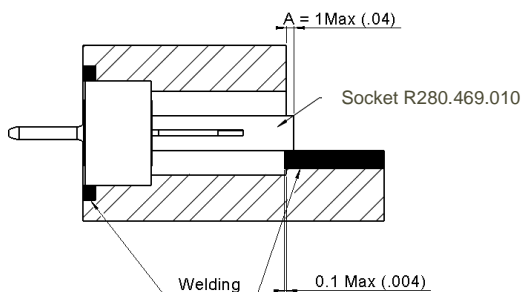
PART NUMBER R125465010

ASSEMBLY INSTRUCTIONS



$$X = 2 \pm 0.5$$

$$X = L1 + A$$



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

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