RADIALL®
COAXIAL CONNECTORS

TECHNICAL DATA

R125.941.000

Issue : 0746 A

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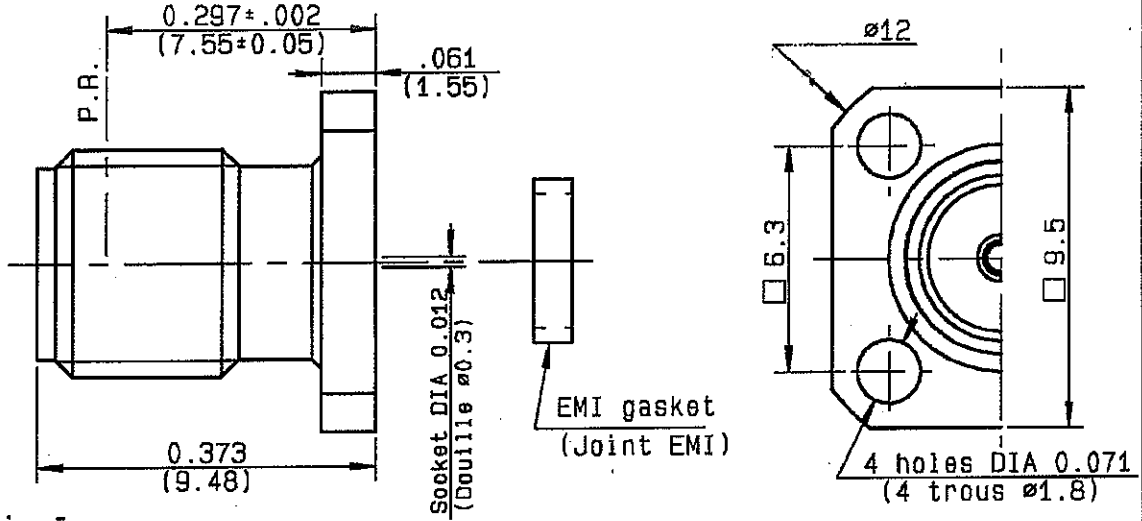
CATALOGUE

FLANGE RECEPTACLE FOR .011 DIA WITH SPECIAL GASKET EMI

Series : SMA



CABLES : -

CHARACTERISTICS

NOMINAL IMPEDANCE	50	Ω
FREQUENCY RANGE	0-18	GHz
TEMPERATURE RATING	-65/+125	°C
VSWR	1.04 + 0,025 x F(GHz)Maxi	
RF INSERTION LOSS	0,05 √F(GHz) dB Maxi	
VOLTAGE RATING	335	Vrms Max
DIELECTRIC WITHSTANDING VOLTAGE	1000	Vrms min
INSULATION RESISTANCE	5000	MΩ min
HERMETIC SEAL	- / NA	oc/s / Atm.cm3/s
LEAKAGE (pressurized only)	- / NA	psi / MPa
WEIGTH	0.0582 / 1.63	Oz / g
-		

STANDARDISATION	-	
	-	
	-	
	-	
	-	
CABLE RETENTION	0 / NA	lb min / N
CENTER CONTACT RETENTION		
Axial force - mating end	6.06 / 27	lb min / N
Axial force - opposite end	6.06 / 27	lb min / N
Torque (Min)	0 / NA	Inch.oz / cm.N
RECOMMENDED TORQUES		
Mating	0 / NA	inch.lb / cm.N
Panel nut	0 / NA	inch.lb / cm.N
Clamp nut	0 / NA	inch.lb / cm.N

CONSTRUCTION

CONNECTOR PARTS	MATERIALS	FINISH
BODY	STAINLESS STEEL	GOLD OVER NICKEL
OUTER CONTACT	STAINLESS STEEL	GOLD OVER NICKEL
CENTER CONTACT	BERYLLIUM COPPER	GOLD OVER NICKEL
INSULATOR	PTFE	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

ISSUE	REVISION No	DESCRIPTION	BY	DATE
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9620	-	realease first production run.	FANJAT	19-05-95

Initiated on 28/03/95

Approval by TRIQUES

The information given here is subject to change without notice. Design changes may be in order to inprove the product.

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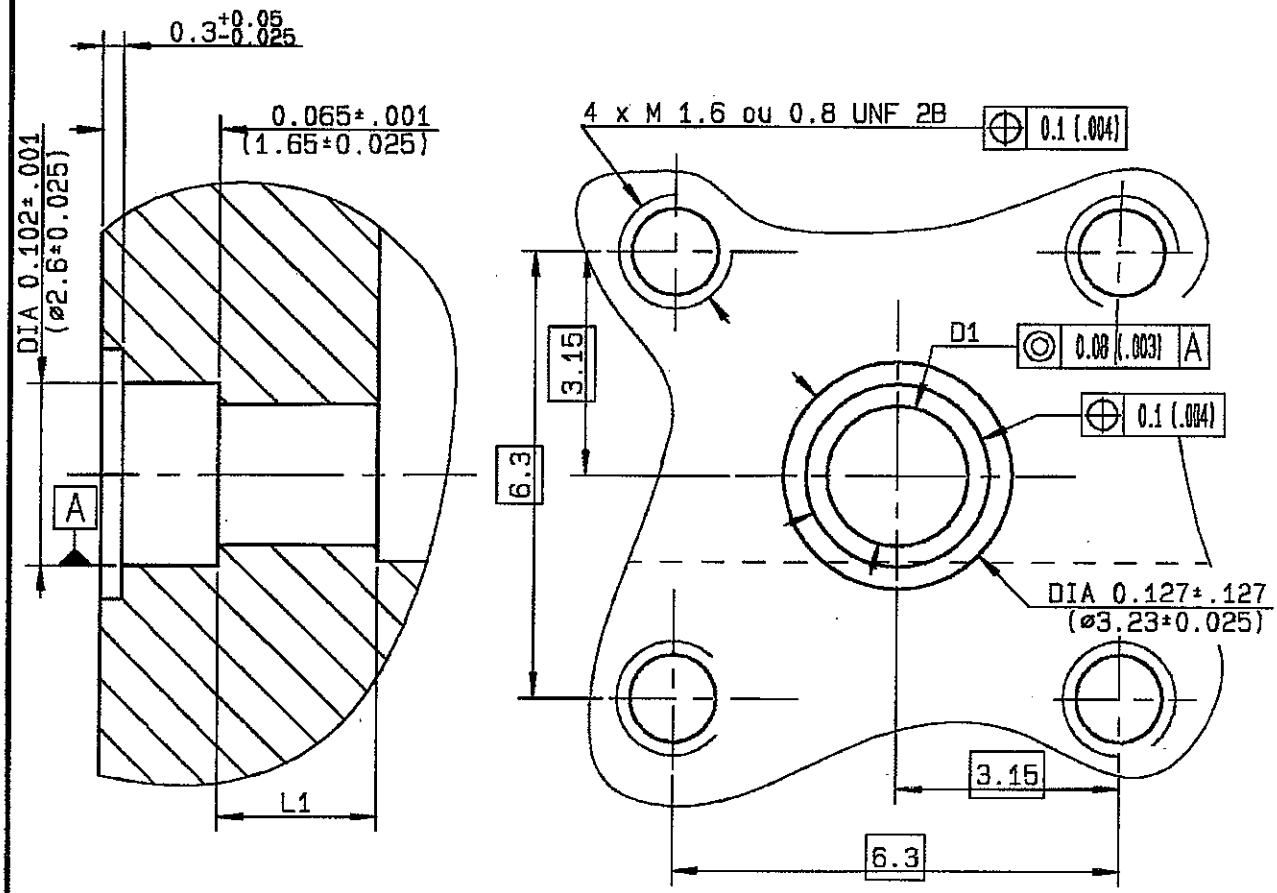
FANJAT O.

FLANGE RECEPTACLE FOR .011 DIA WITH SPECIAL GASKET EMI

Series : SMA



Les cotes D1 et L1 sont a determiner en fonction de chaque cas d'utilisation

Nous conseillons dans les 2 cas suivants: (voir page 3)

- Utilisation de la douille amovible R280 469 000:

  D1 = 2±0.02 L1 = 1 a 4 au gre de l'utilisateur selon les criteres d'encombrement

- L'axe de la perle est soudee directement sur la piste.

  D1 = 0.70±0.02 L1 = 1 a 4 au gre de l'utilisateurselon les criteres d'encombrement

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

We advise in the 2 following situations : (see page 3)

- Using of the R280 469 000 removable socket:

  D1 = .079±.0008 L1 = .1±.004

- The bead pin is directly welded on the track :

  D1 = .0276±.0008 L1 = from .040 to .157 according to the customer's design criteria.

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Approval by TRIGUES

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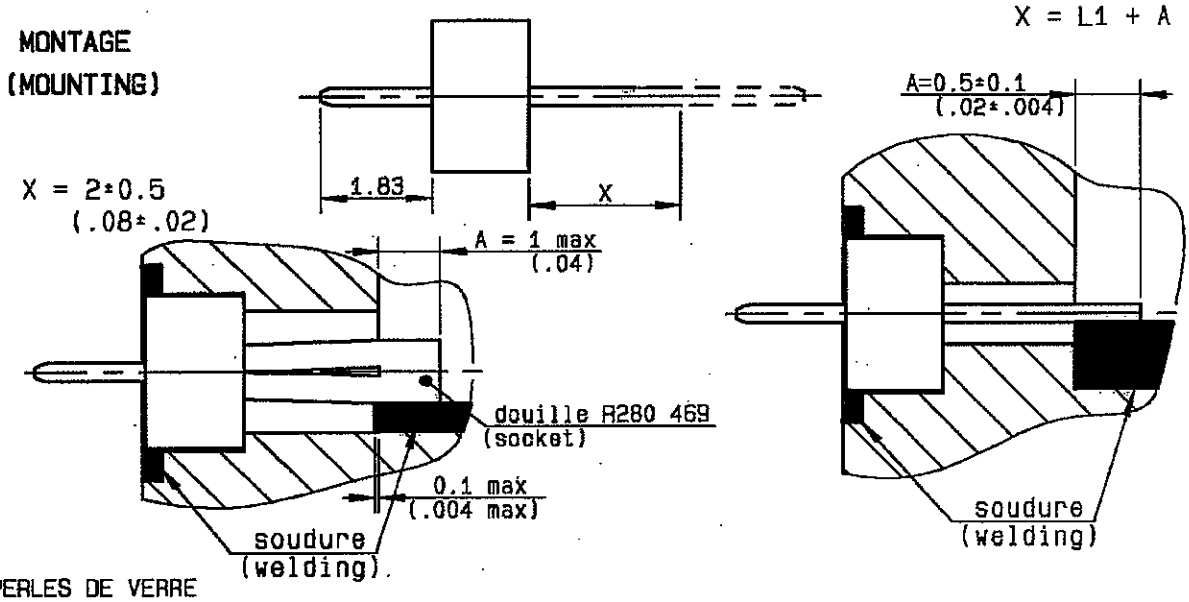
FANJAT O.

FLANGE RECEPTACLE FOR .011 DIA WITH SPECIAL GASKET EMI

Series : SMA

MONTAGE
(MOUNTING)



PERLES DE VERRE

1 - Ajuster X en coupant l'axe si necessaire.
2 - Introduire la perle dans son logement comme ci-dessus (avec la douille montee)
3 - Souder la bague en disposant un anneau de soudure dans la gorge.
4 - Souder l'axe (ou la douille) sur la piste.
Attention aux exces de soudure!
IMPORTANT :
Pour des performances hyperfrequences optimales, il faut que la liaison piste/axe soit la plus reduite possible. Nous conseillons donc de bien respecter la cote A en soudant tres finement l'axe de la perle sur la la piste (schema de droite)

CONNECTEUR

- Mettre en place le joint de blindage "EMI" dans la gorge du connecteur.
- Presenter le connecteur sur le boitier en introduisant l'axe de la perle dans la douille puis monter les vis de fixation de la platine.

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 there is not too much welding.
IMPORTANT :
For maximum RF characteristics the link track/pin must be as thin as possible. We advise therefore to follow the A dimension rigourously, 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.

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Approval by TRIGUES

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