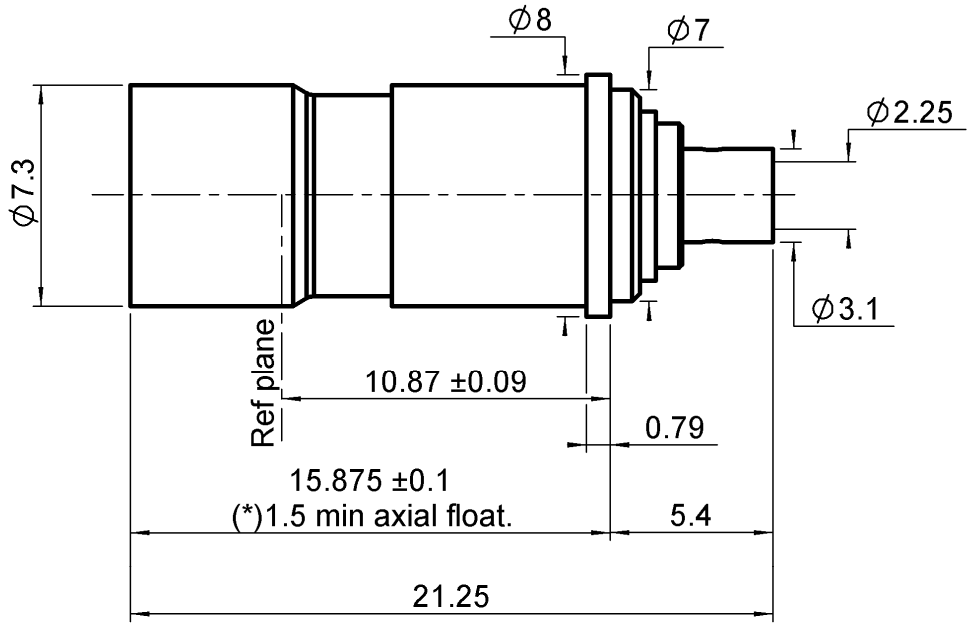
# STRAIGHT CLIP-ON FLOATING JACK

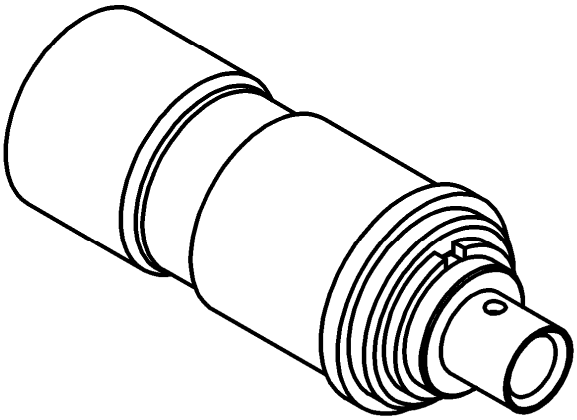
## SOLDER TYPE - CABLE .085

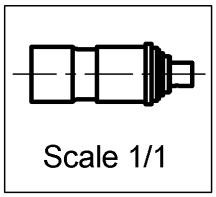
# R128.294.710

Series : **BMA**




(*) Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/-.010)






All dimensions are in mm.

| COMPONENTS | MATERIALS | PLATING (µm) |
|---|---|---|
| **BODY** | **STAINLESS STEEL** | **GOLD 0.5 OVER NICKEL 2** |
| **CENTER CONTACT** | **BERYLLIUM COPPER** | **GOLD 1.3 OVER NICKEL2** |
| **OUTER CONTACT** | **BERYLLIUM COPPER** | **NPGR** |
| **INSULATOR** | **PTFE** | |
| **GASKET** | - | |
| **OTHERS PARTS** | **BRASS** | **NICKEL 2** |
| - | - | - |
| - | - | - |

**Issue : 1115 B**

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

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## PACKAGING

| Standard | Unit | Other |
|---|---|---|
| **100** | **'W' option** | **Contact us** |

## ELECTRICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Impedance | | **50** | Ω |
| Frequency | | **0-22** | GHz |
| VSWR | **1.05 +** | **0,0100** | x F(GHz) Maxi |
| Insertion loss | | **0.03** | √F(GHz) dB Maxi |
| RF leakage | **- (** | **90** | - 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 |
| Clamp nut | **NA** | N.cm |
| A/F clamp nut | **0,0000** | mm |
| Mating life | **1000** | Cycles mini |
| Weight | **3,3000** | g |

## ENVIRONMENTAL

| | | |
|---|---|---|
| Operating temperature | **-40/+105** | ° C |
| Hermetic seal | **NA** | Atm.cm3/s |
| Panel leakage | **IP54*** | |

## SPECIFICATION

## CABLE ASSEMBLY

| **Stripping** | a | b | c | d | e | f |
|---|---|---|---|---|---|---|
| mm | 1,78 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |

Assembly instruction :

Recommended cable(s)
RG 405
KS 1

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

| | | |
|---|---|---|
| - pull off | **136** | N mini |
| - torque | **NA** | N.cm |

## TOOLING

| Part Number | Description | Hexagon |
|---|---|---|
| . | . | . |
| R282.051.000 | STRIPPING TOOL | |
| R282.062.000 | POINTER GAUGE | |
| R282.740.000 | SOLDERING MOUNTING | |
| R282.860.130 | SOLDER POSITIONER BMA | |

## OTHER CHARACTERISTICS

* Mated with waterproof male connector

**It is recommended to use a service loop to facilitate the float features of the connector**


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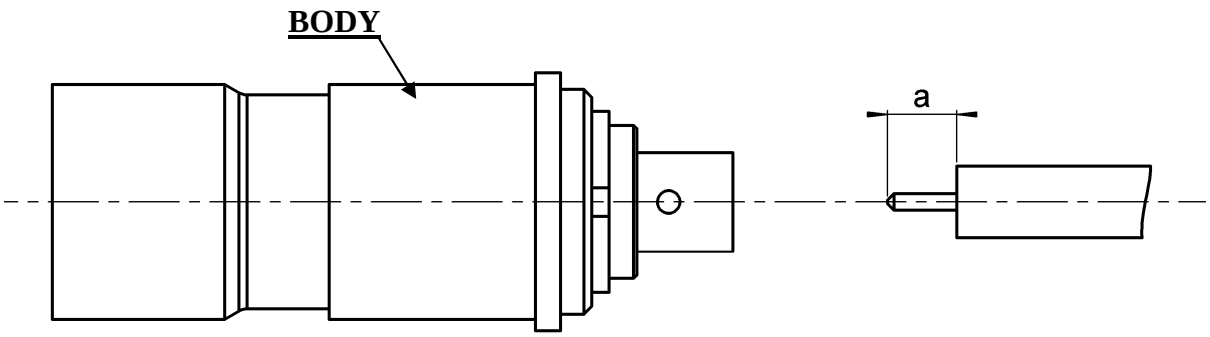
Series : **BMA**

**COMPONENT**

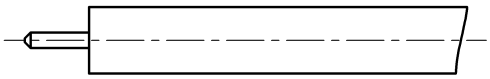
**STRIPPING DIMENSION**




We recommend a cable thermal preconditioning before assembly

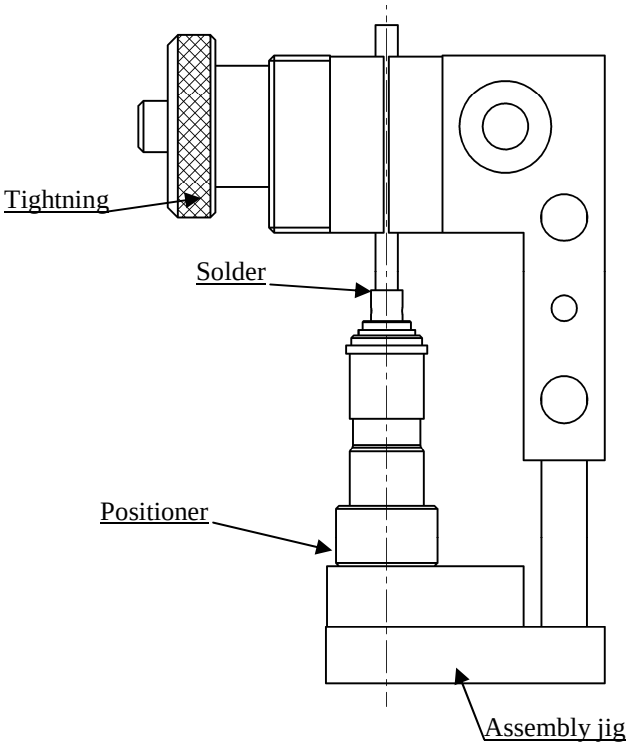
**1**

-Strip the cable with the cable stripping tool.
-Trim the cable inner conductor with the trimmer.
-Clean the cable



**2**

-Introduce the cable into the body until contact with the body shoulder.
-Place the sub-assembly on assembly jig with the positioner and tighten it.
-Solder body on the cable.
-Let assembly cool down before removing it from the jig.



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