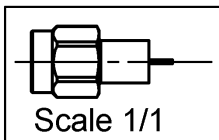
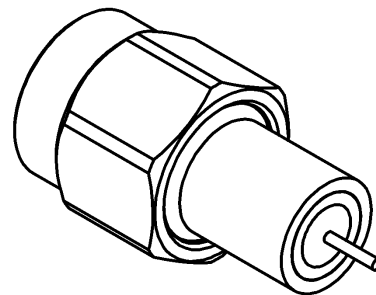
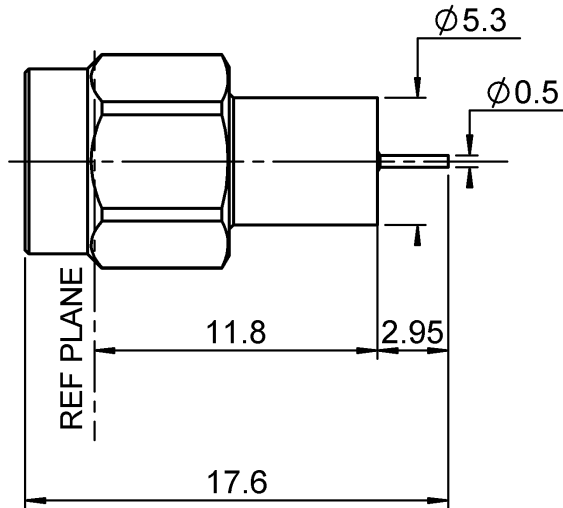


SOLDER MALE RECEPTACLE
HERMETIC - GLASS BEAD

R125.633.000

Series : SMA



All dimensions are in mm.



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

Issue : 0635 B

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



SOLDER MALE RECEPTACLE

R125.633.000

HERMETIC - GLASS BEAD

Series : SMA

PACKAGING

SPECIFICATION

| Standard | Unit | Other |
|----------|------|-------------------|
| 1 | | Contact us |

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

| | | |
|---------------------------------|------------------------------|--------------------------|
| Impedance | 50 | Ω |
| Frequency | 0-18 | GHz |
| VSWR | 1.10* + 0,0100 | x F(GHz) Maxi |
| Insertion loss | 0.3* | \sqrt{F} (GHz) dB Maxi |
| RF leakage | - (NA) | - F(GHz)) dB Maxi |
| Voltage rating | 500 | Veff Maxi |
| Dielectric withstanding voltage | 1000 | Veff mini |
| Insulation resistance | 5000 | M Ω mini |

| | | |
|-----------------------|----------------|--------------|
| Operating temperature | -40/100 | $^{\circ}$ C |
| Hermetic seal | 10-5 | Atm.cm3/s |
| Panel leakage | NA | |

OTHER CHARACTERISTICS

Assembly instruction

Others :
Coaxial Transmission Line Only

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 | 100 | N.cm |
| Panel nut | NA | N.cm |
| Mating life | 500 | Cycles mini |
| Weight | 4,6950 | g |

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SOLDER MALE RECEPTACLE

R125.633.000

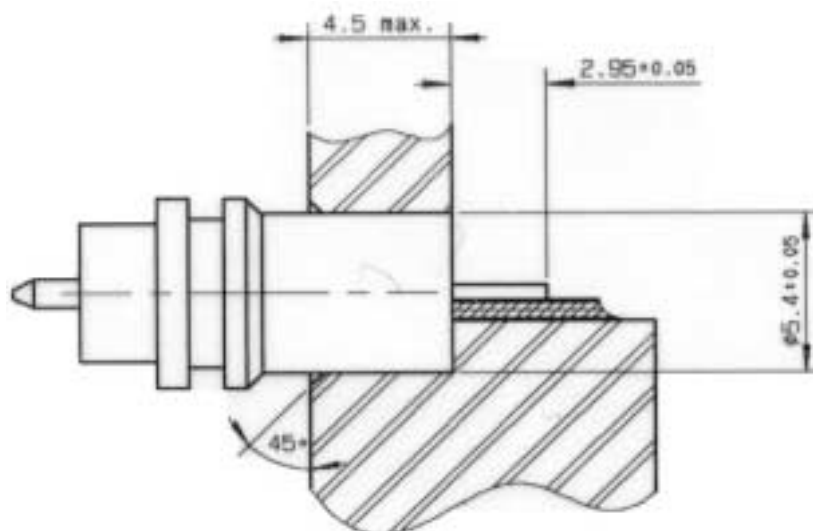
HERMETIC - GLASS BEAD

Series : SMA

MONTING HOLE DETAIL

PANEL WITH THROUGH HOLE

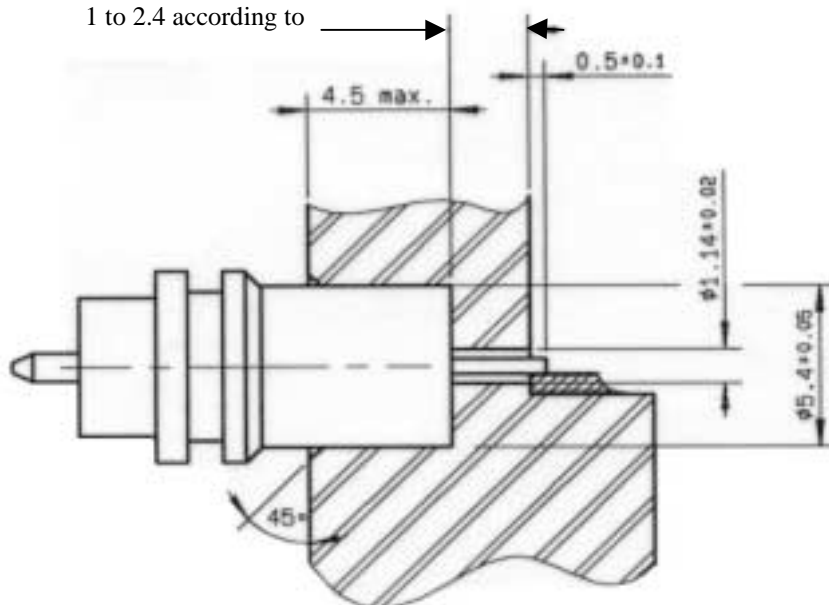
FREQUENCY RANGE 0-18 GHz
VSWR < 1.10 + 0.03 F



1 to 2.4 according to

PANEL WITH BLIND HOLE

Frequency range 0-18 GHz
VSWR < 1.05 + 0.02 F



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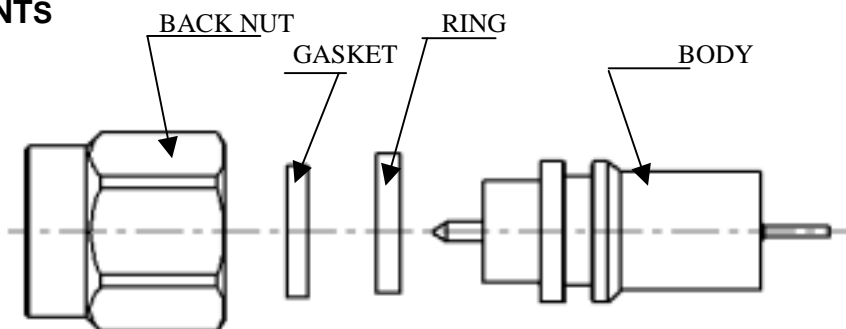
SOLDER MALE RECEPTACLE

R125.633.000

HERMETIC - GLASS BEAD

Series : SMA

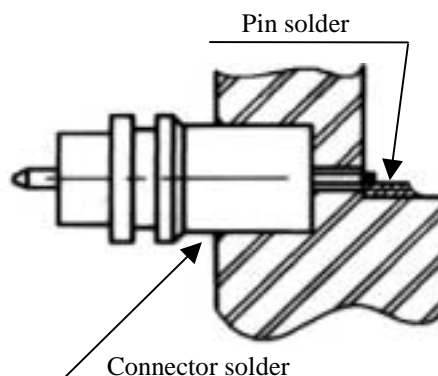
COMPONENTS



MONTING INSTRUCTIONS

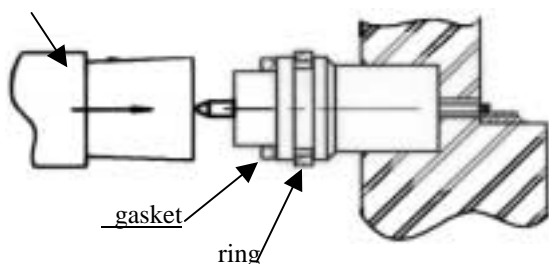
1

- Degrease and clean connector and box.
- Solder the connector on the pannel :
preheating at about 100°C
Take care not to exceed 250°C during solder operation .
- Solder the pin on the track :
-ceramic substrates : prechauffage 100°C
-other substrates : no preheating required .
NOTE : Pleasa use a small soldering iron, or hot air soldering system



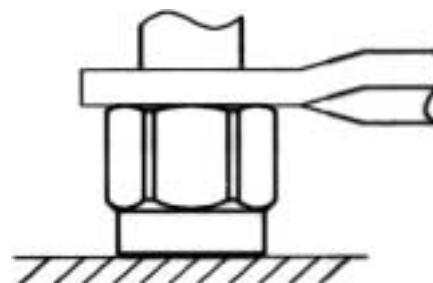
2

- Place retaining ring onto its insert tool R282 760 000
- Push sub-assembly into the tool until the retaining ring snaps into place.
- Place the interface seal O'ring onto body.



3

- Compress retaining ring using retaining ring pliers R282 200 000.
- Push coupling nut onto sub-assembly and over retaining ring



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