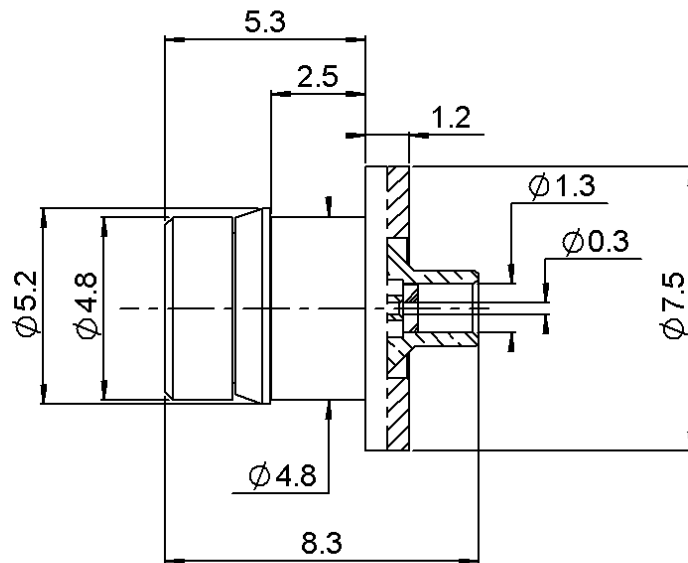


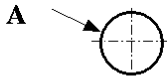
**SNAP-IN STRAIGHT MALE JACK**  
**SMOOTH BORE SOLDER TYPE CABLE .047**

**R222.221.702**

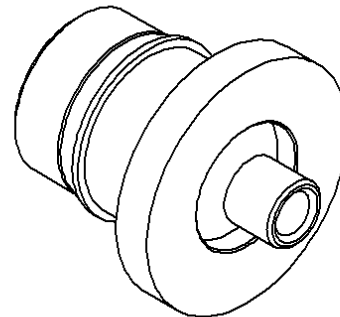
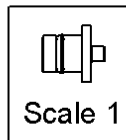
Series : SMP



**PANEL CUT OUT**



| mm |      |      |
|----|------|------|
|    | Maxi | mini |
| A  | 4.95 | 4.9  |



All dimensions are in mm.



| COMPONENTS     | MATERIALS               | PLATINGS (μm)                     |
|----------------|-------------------------|-----------------------------------|
| BODY           | STAINLESS STEEL + BRASS | PASSIVATED + GOLD1.3 OVER NICKEL2 |
| CENTER CONTACT | BERYLLIUM COPPER        | GOLD 1.27 OVER NICKEL 1.27        |
| OUTER CONTACT  | -                       | -                                 |
| INSULATOR      | PTFE                    | -                                 |
| GASKET         | -                       | -                                 |
| OTHERS PARTS   | BERYLLIUM COPPER        | BBR 2                             |
| -              | -                       | -                                 |
| -              | -                       | -                                 |

Issue : 0745 B

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



## SNAP-IN STRAIGHT MALE JACK

SMOOTH BORE SOLDER TYPE CABLE .047

**R222.221.702**

Series : SMP

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>100</b> | <b>'W' option</b> | <b>Contact us</b> |

**ELECTRICAL CHARACTERISTICS**

|                                 |                      |                          |
|---------------------------------|----------------------|--------------------------|
| Impedance                       | <b>50</b>            | $\Omega$                 |
| Frequency                       | <b>0-40</b>          | GHz                      |
| VSWR                            | <b>1.50 + 0,0000</b> | x F(GHz) Maxi            |
| Insertion loss                  | <b>0.12</b>          | $\sqrt{F}$ (GHz) dB Maxi |
| RF leakage                      | - (                  | - F(GHz)) dB Maxi        |
| Voltage rating                  | <b>335</b>           | Veff Maxi                |
| Dielectric withstanding voltage | <b>500</b>           | Veff mini                |
| Insulation resistance           | <b>5000</b>          | M $\Omega$ mini          |

**MECHANICAL CHARACTERISTICS**

|                            |                     |
|----------------------------|---------------------|
| Center contact retention   |                     |
| Axial force – Mating end   | <b>NA</b> N mini    |
| Axial force – Opposite end | <b>NA</b> N mini    |
| Torque                     | <b>NA</b> N.cm mini |

|                    |                  |
|--------------------|------------------|
| Recommended torque |                  |
| Mating             | <b>NA</b> N.cm   |
| Panel nut          | <b>NA</b> N.cm   |
| Clamp nut          | <b>NA</b> N.cm   |
| A/F clamp nut      | <b>0,0000</b> mm |

|             |                         |
|-------------|-------------------------|
| Mating life | <b>1000</b> Cycles mini |
| Weight      | <b>0,9230</b> g         |

**ENVIRONMENTAL**

|                       |                     |
|-----------------------|---------------------|
| Operating temperature | <b>-65/+165</b> °C  |
| Hermetic seal         | <b>NA</b> Atm.cm3/s |
| Panel leakage         | <b>NA</b>           |

**SPECIFICATION****CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 1,30 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |

Assembly instruction :

Recommended cable(s)  
UT47 M17/151-00001

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 | <b>45</b> N mini |
| - torque   | <b>NA</b> N.cm   |

**TOOLING**

| Part Number  | Description                  | Hexagon |
|--------------|------------------------------|---------|
| .            | .                            | .       |
| R282.740.030 | SOLDERING MOUNTING           |         |
| R282.743.100 | POSITIONER FOR SOLDERING SMP |         |
| R282.744.254 | POSITIONER FOR SOLDERING SMP |         |

**OTHERS CHARACTERISTICS**RF Leakage -80dB DC-3 GHz  
-65 3-26.5 GHz  
Compliant with MIL-STD-348

Issue : 0745 B

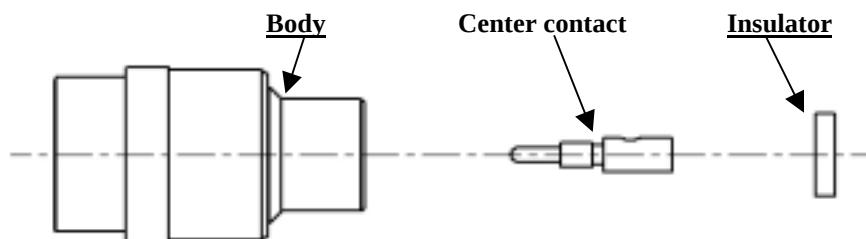
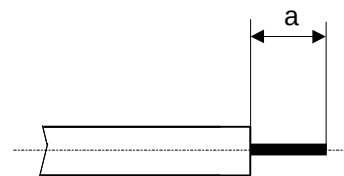
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**SNAP-IN STRAIGHT MALE JACK**  
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Series : SMP

**COMPONENTS****STRIPPING CABLES**

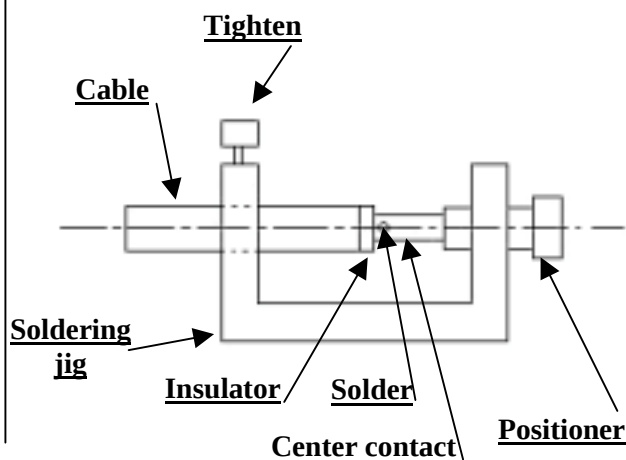
**We recommend a thermal preconditionning cable**

**1**

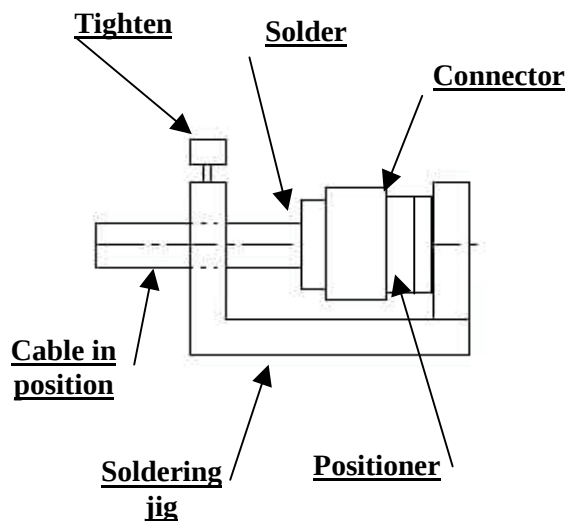
Strip the dielectric of the cable .  
 Clean the cable .  
 Soldering 180°C  
 Temperature stoking do not exceeded 250°C

**2**

Screw the positioner onto the soldering jig.  
 Slide the center contact onto the cable inner conductor  
 against insulator.  
 Fit the cable assembly onto the soldering jig..  
 Solder the contact.

**3**

After cooling remove cable assembly from the jig.  
 Insert cable+centre contact in the connector.  
 Slide the positioner in the connector interface.  
 Slide cable into the connector body until it bottoms  
 against.  
 Slide positioner into the assembly.  
 Tighten.  
 Solder the body onto the cable.  
 After cooling remove cable assembly from the jig.



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