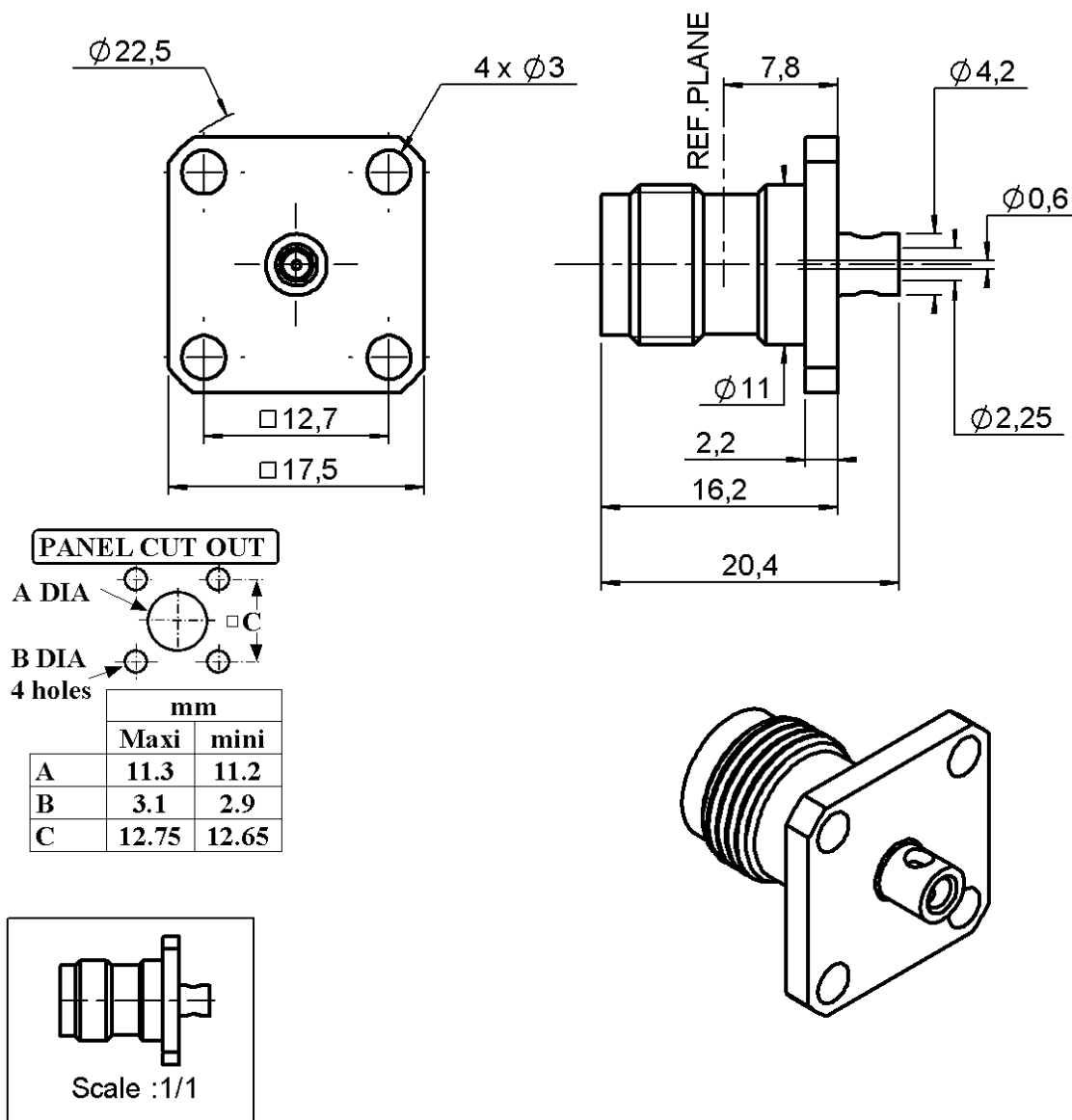


## STRAIGHT SQUARE FLANGE PLUG SOLDER TYPE

**R143.257.450**

CABLE .085

Series : TNC



All dimensions are in mm.



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

Issue : 0340 A

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**PACKAGING**

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

**ELECTRICAL CHARACTERISTICS**

|                                 |               |              |                                |
|---------------------------------|---------------|--------------|--------------------------------|
| Impedance                       |               | <b>50</b>    | $\Omega$                       |
| Frequency                       |               | <b>0-6</b>   | GHz                            |
| VSWR                            | <b>1.35 +</b> | <b>0.000</b> | x F(GHz) Maxi                  |
| Insertion loss                  |               | <b>0.2</b>   | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | - (           | <b>57</b>    | - F(GHz)) dB Maxi              |
| Voltage rating                  |               | <b>335</b>   | Veff Maxi                      |
| Dielectric withstanding voltage |               | <b>1000</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>0.000</b> | mm   |

|             |              |             |
|-------------|--------------|-------------|
| Mating life | <b>500</b>   | Cycles mini |
| Weight      | <b>9.800</b> | g           |

**ENVIRONMENTAL**

|                       |                 |                    |
|-----------------------|-----------------|--------------------|
| Operating temperature | <b>-65/+105</b> | $^{\circ}\text{C}$ |
| Hermetic seal         | <b>NA</b>       | Atm.cm3/s          |
| Panel leakage         | <b>NA</b>       |                    |

**SPECIFICATION****CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Assembly instruction :

Recommended cable(s)  
KS 1  
RG 405

Cable retention

|            |            |        |
|------------|------------|--------|
| - pull off | <b>200</b> | N mini |
| - torque   | <b>NA</b>  | N.cm   |

**TOOLING**

| Part Number  | Description | Hexagon |
|--------------|-------------|---------|
| .            | .           | .       |
| R282.744.400 |             |         |

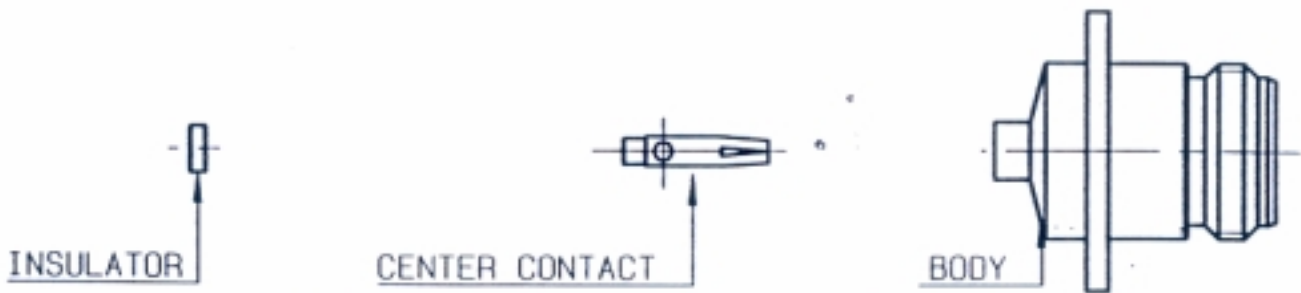
**OTHERS CHARACTERISTICS**

-

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**STRAIGHT SQUARE FLANGE PLUG SOLDER TYPE****R143.257.450****CABLE .085****Series : TNC**

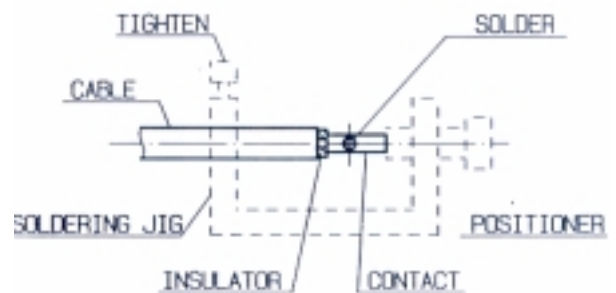
We recommend a thermal preconditioning cable .

**1**

Strip the dielectric of the cable.  
Clean the cable.

**3**

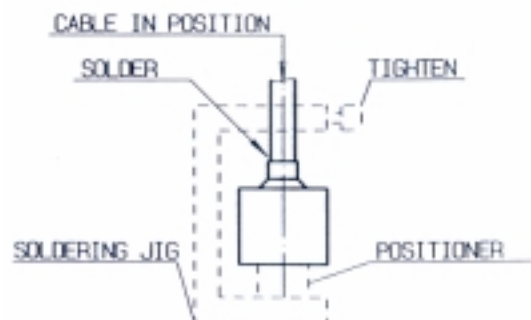
Screw the positioner onto the soldering jig.  
Slide the cable assembly until it bottoms against positioner.  
Tighten and solder the contact.

**2**

Slide the insulator and the center contact onto the cable inner conductor

**4**

After cooling remove cable assembly from the jig.  
Slide positioner into the connector.  
Get in connector assembly onto the soldering jig and slide the cable until it bottoms against positioner.  
Tighten.  
Put 3 rings of solder around the cable and solder.

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