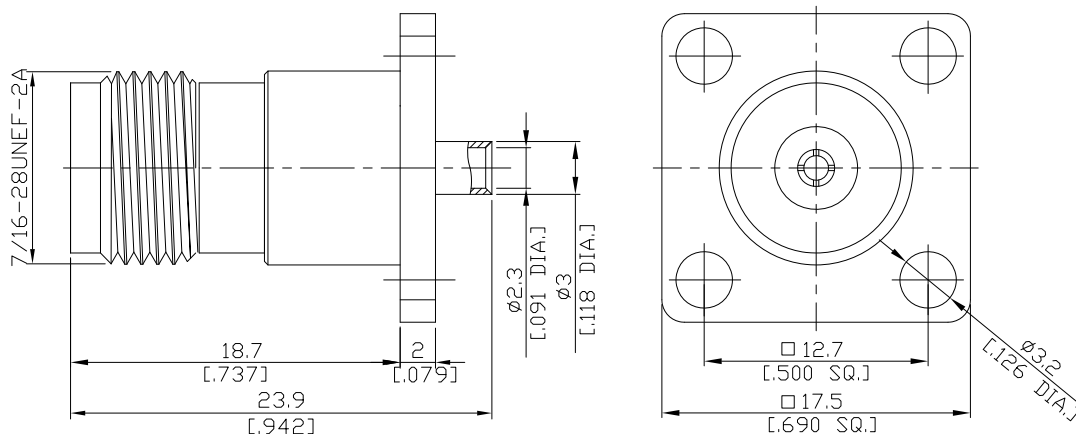


TNC Plug (Male) Cable Connector Direct Solder Attachment for RG405, .085, .086, SS405 Cable DC-18 GHz VSWR 1.2

**TNC2EBF50-0085A / 91**



All dimensions are in mm [inch]  
Tolerances according to DIN ISO 2768-mH

**Interface**

According to IEC 61169-17

**Electrical Data**

|  |                      |
|--|----------------------|
| Impedance                                      | 50 Ω                 |
| Frequency                                      | DC to 11 GHz         |
| VSWR (Return Loss)                             | ≤ 1.15 (≥ 23.1 dB)   |
| Insertion Loss                                 | ≤ 0.05 × √F (GHz) dB |
| Insulation Resistance                          | ≥ 5 GΩ               |
| Center Contact Resistance                      | ≤ 1.5 mΩ             |
| Outer Contact Resistance                       | ≤ 1 mΩ               |
| Test Voltage (at sea level)                    | 1500 V rms           |
| Working Voltage (at sea level)                 | 500 V rms            |
| Power Handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz       |

- Limitations are possible due to the used cable type -

**Material And Plating**

| Piece Parts    | Material         | Plating  |
|----------------|------------------|--|
| Centre Contact | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body           | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator      | PTFE             |  |
| Gasket         | Silicone Rubber  |  |
| Coupling Nut   | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Barrel         | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:  
Date:  
10/7/2018

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**TNC Plug (Male) Cable Connector Direct Solder Attachment for RG405, .085, .086, SS405 Cable DC-18 GHz VSWR 1.2**

**TNC2EBF50-0085A / 91**

**Mechanical Data**

|                      |                    |
|----------------------|--------------------|
| Coupling mechanisms  | Screw-lock         |
| Mating Cycles        | ≥ 500              |
| Weight               | N/A                |
| Coupling Test Torque | 1.7 Nm max.        |
| Recommended Torque   | 0.46 Nm to 0.69 Nm |

**Environmental Data**

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature Range   | -65°C to +165°C                      |
| Thermal shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 107, Condition B |
| Vibration           | MIL-STD-202, Method 107, Condition B |
| Shock               | MIL-STD-202, Method 107, Condition G |
| Moisture Resistance | MIL-STD-202, Method 106              |
| RoHS                | compliant                            |

**Suitable Cables**

.085, .086, RG405, SS405

**Packing**

Single or 100