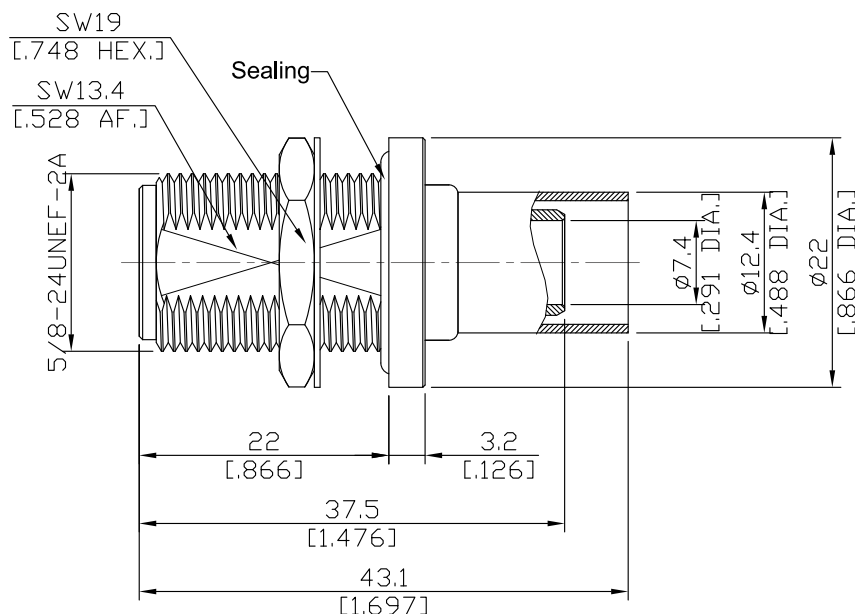
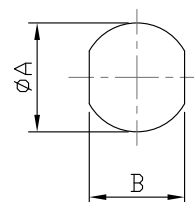


N Jack (Female) Straight Bulkhead Connector Crimp / Contact Pin Solder  
Attachment for LMR-400, ROSNOL RNL-400, DC-6GHz, VSWR 1.3

**N2CA50-R400A / 9X**



Mounting Dimension



|   | mm   |      | inch |      |
|---|------|------|------|------|
|   | Max. | Min. | Max. | Min. |
| A | 16.1 | 16   | .634 | .630 |
| B | 13.7 | 13.6 | .539 | .535 |

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012

**Electrical Data**

Impedance

50  $\Omega$

Frequency

DC to 6 GHz

VSWR (Return Loss)

$\leq 1.30$  ( $\geq 17.69$  dB)

Insertion Loss

$\leq 0.05$  dB

Insulation Resistance

$\geq 5$  G $\Omega$

Center Contact Resistance

$\leq 1$  m $\Omega$

Outer Contact Resistance

$\leq 0.25$  m $\Omega$

Working Voltage

500 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

$\leq 1000$  W @ 1 GHz

$\leq 700$  W @ 2 GHz

-VSWR in application depends decisive on cable assembly process-

**Material And Plating**

| Piece Parts    | Material         | Plating                                                       |
|----------------|------------------|---------------------------------------------------------------|
| Centre Contact | Beryllium Copper | Gold plating<br>(Non-magnetic nickel-phosphorus underplating) |
| Body           | Stainless Steel  | Passivated                                                    |
| Insulator      | PTFE             |                                                               |
| Crimp Ferrules | Brass            | Copper-Tin-Zinc Alloy                                         |
| Washer         | Brass            | Copper-Tin-Zinc Alloy                                         |
| Fastening Nut  | Brass            | Copper-Tin-Zinc Alloy                                         |

**N Jack (Female) Straight Bulkhead Connector Crimp / Contact Pin Solder  
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## N2CA50-R400A / 9X

### Mechanical Data

|                                   |                  |
|-----------------------------------|------------------|
| Coupling Mechanisms               | Screw-On         |
| Mating Cycles                     | ≥ 500            |
| Coupling Nut Retention            | ≥ 450 N          |
| Center Contact Captivation: axial | ≥ 28 N           |
| Coupling Test Torque              | max. 1.7 Nm      |
| Recommended Torque                | 0.7 Nm to 1.1 Nm |
| Centre Contact                    | Soldered         |
| Cable Entry                       | Crimped          |

### Environmental Data

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature Range   | -65°C to +165°C                      |
| Thermal Shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 101, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition B |
| Shock               | MIL-STD-202, Method 213, Condition I |
| Moisture Resistance | MIL-STD-202, Method 106              |
| RoHS                | Compliant                            |

### Suitable Cables

LMR-400; RNL-400; Belden 7810A, 8214, 9913; Ecoflex 10

### Packing

Single or 100