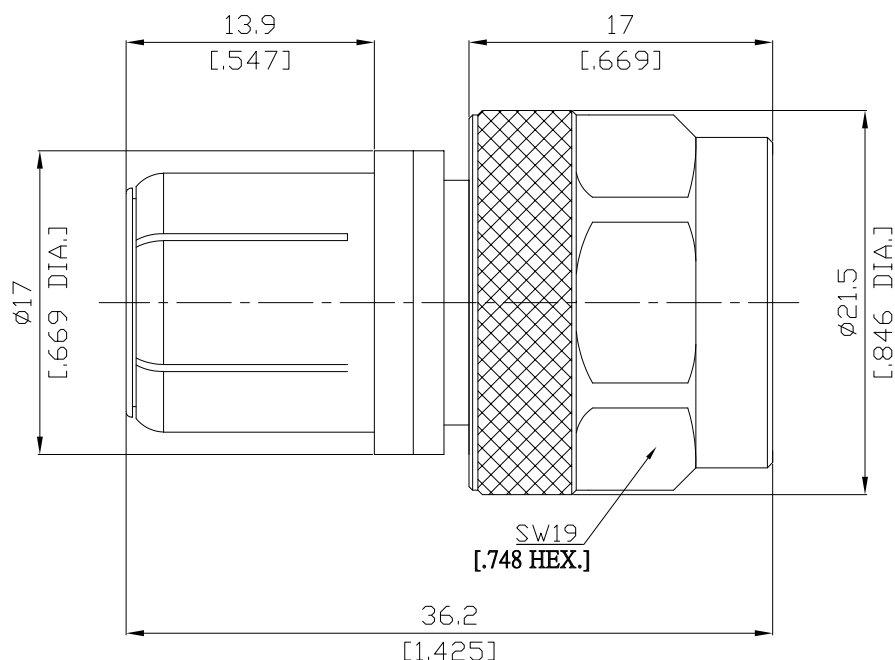


N plug (male) / N Snap-On jack (female)  
Straight Adaptor DC-8 GHz VSWR ≤ 1.22

## AD-N1NQ25A / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

according to

IEC 60169-16 ; MIL-STD-348B/402

### Electrical Data

|                           |                     |
|---------------------------|---------------------|
| Impedance                 | 50 Ω                |
| Frequency                 | DC to 8 GHz         |
| VSWR (Return Loss)        | ≤ 1.22 (≥ 20 dB)    |
| Insertion loss            | ≤ 0.1 × √F (GHz) dB |
| Insulation resistance     | ≥ 5 GΩ              |
| Center contact resistance | ≤ 1 mΩ              |
| Outer contact resistance  | ≤ 1 mΩ              |
| Test voltage              | 2500 V rms          |
| Working voltage           | 500 V rms           |
| RF-leakage                | ≥ 90 dB up to 1 GHz |

### Material And Plating

| Piece Parts (N)         | Material         | Plating                                                                          |
|-------------------------|------------------|----------------------------------------------------------------------------------|
| Centre contact          | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body                    | Brass            | Copper-Tin-Zinc Alloy                                                            |
| Insulator               | PTFE             |                                                                                  |
| Coupling nut            | Brass            | Copper-Tin-Zinc Alloy                                                            |
| Piece Parts (N Snap-On) | Material         | Plating                                                                          |
| Centre contact          | Beryllium Copper | Gold plating(Nickel underplated)                                                 |
| Body                    | Brass            | Copper-Tin-Zinc Alloy                                                            |
| Insulator               | PTFE             |                                                                                  |

N plug (male) / N Snap-On jack (female)  
Straight Adaptor DC-8 GHz VSWR ≤ 1.22

## AD-N1NQ25A / 944-94

### Mechanical Data

|                            |                |                    |
|----------------------------|----------------|--------------------|
| Coupling mechanisms        | N Snap-On side | N side             |
| Mating cycles              | Snap-lock      | Screw-lock         |
| Center contact captivation | ≥ 200          | ≥ 500              |
| Coupling test torque       | ≥ 28 N         | ≥ 28 N             |
| Recommended torque         | N/A            | 1.70 Nm            |
| Engagement force           | N/A            | 0.70 Nm to 1.10 Nm |
| Disengagement force        | 30 N typical   | N/A                |
|                            | 30 N typical   | N/A                |

### Environmental Data

|                     |                               |
|---------------------|-------------------------------|
| Temperature range   | -40°C to +85°C                |
| Thermal shock       | IEC 61169-1, Subclause 9.4.4  |
| Corrosion           | IEC 61169-1, Subclause 9.4.6  |
| Vibration           | IEC 61169-1, Subclause 9.3.3  |
| Shock               | IEC 61169-1, Subclause 9.3.14 |
| Moisture resistance | IEC 61169-1, Subclause 9.4.3  |
| RoHS                | compliant                     |

### Packing

Single or 100