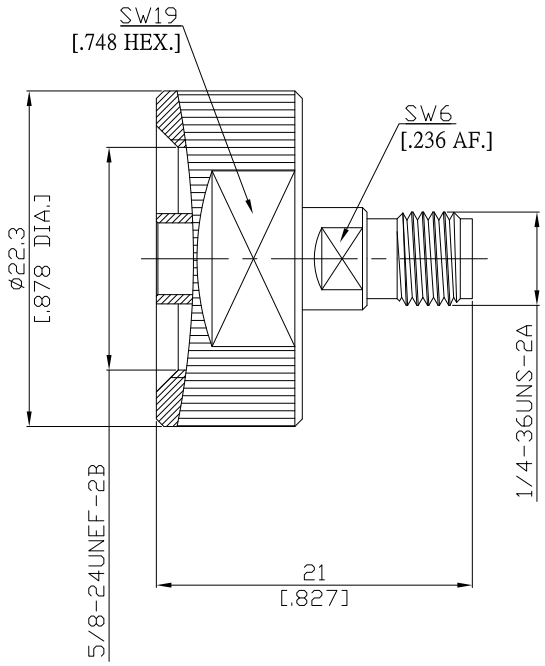
ROSNOL®
RF/Microwave Interconnect

# Technical Data Sheet

## 2.4mm NMD Jack (Female) to 2.92mm Jack (Female) Adapter
## DC-40GHz VSWR1.20

# AD-NMQ2K25A / 9XX-9X




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

## Interface

| | 2.4mm NMD Side | 2.92mm Side |
|---|---|---|
| Mechanically compatible with | 1.85mm NMD | 3.5mm and SMA |
| According to | Derived from IEC 61169-40, IEEE Std 287-2007_LPC | IEC 61169-35, IEEE Std 287-2007_LPC |

## Electrical Data

| | |
|---|---|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| VSWR (Return Loss) | ≤ 1.20 (≥ 20.83 dB) |
| Insertion Loss | ≤ 0.05 x √F (GHz) dB |
| Insulation Resistance | ≥ 5 GΩ |
| Test Voltage (at sea level) | 500 V rms |
| Working Voltage (at sea level) | 150 V rms |
| RF Leakage | ≥ 100 dB up to 1 GHz |

## Material And Plating

| Piece Parts (2.4mm NMD) | Material | Plating |
|---|---|---|
| Centre Contact | Beryllium Copper | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Stainless Steel | Passivated |
| Insulator | PEI | |
| Coupling Nut | Stainless Steel | Passivated |
| **Piece Parts (2.92mm)** | **Material** | **Plating** |
| Centre Contact | Beryllium Copper | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Stainless Steel | Passivated |
| Insulator | PEI | |



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# 2.4mm NMD Jack (Female) to 2.92mm Jack (Female) Adapter DC-40GHz VSWR1.20

# AD-NMQ2K25A / 9XX-9X

## Mechanical Data

| | |
|---|---|
| Coupling mechanisms | Screw-lock |
| Mating Cycles | ≥ 500 |
| Center Contact Captivation: axial | ≥ 27 N |
| Weight | N/A |
| Coupling Test Torque | 1.70 Nm max. |
| Recommended Torque | 0.9 Nm |

## Environmental Data

| | |
|---|---|
| Temperature Range | -60°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 D |
| Shock | MIL-STD-202, Method 213, Condition I |
| Moisture Resistance | MIL-STD-202, Method 106 |
| RoHS | compliant |

## Packing

Single





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