# TA-NMDM

Type N Male to 7-16 DIN Male Low-PIM Adapter

## Product Classification

| | |
|---|---|
| **Product Type** | Adapter |

## General Specifications

| | |
|---|---|
| **Body Style** | Straight |
| **Inner Contact Plating** | Silver |
| **Interface** | N Male |
| **Interface 2** | 7-16 DIN Male |
| **Mounting Angle** | Straight |
| **Outer Contact Plating** | Trimetal |
| **Pressurizable** | No |

## Dimensions

| | |
|---|---|
| **Width** | 34.6 mm \| 1.362 in |
| **Length** | 42.73 mm \| 1.682 in |
| **Diameter** | 34.6 mm \| 1.362 in |

## Electrical Specifications

| | |
|---|---|
| **3rd Order IMD at Frequency** | -159 -dBc @ 1800 MHz |
| **Average Power at Frequency** | 600.0 W @ 900 MHz |
| **Connector Impedance** | 50 ohm |
| **dc Test Voltage** | 2500 V |
| **Inner Contact Resistance, maximum** | 1.5 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 0.4 mOhm |
| **Peak Power, maximum** | 10 kW |
| **RF Operating Voltage, maximum (vrms)** | 707 V |

# TA-NMDM

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.041 | 33.94 |
| **3000–6000 MHz** | 1.119 | 25.01 |

## Mechanical Specifications

| | |
|---|---|
| **Coupling Nut Proof Torque** | 1.7 N-m \| 15.046 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-16:9.3.6 |
| **Coupling Nut Retention Force** | 450 N \| 101.164 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-16:9.3.11 |
| **Insertion Force** | 200 N \| 44.962 lbf |
| **Insertion Force Method** | IEC 61169-16:9.3.5 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-16:9.5 \| IEC 61169-4:17 |
| **Mechanical Shock Test Method** | IEC 60068-2-27 |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -55 °C to +85 °C (-67 °F to +185 °F) |
| **Storage Temperature** | -65 °C to +125 °C (-85 °F to +257 °F) |
| **Attenuation, Ambient Temperature** | 20 °C \| 68 °F |
| **Average Power, Ambient Temperature** | 40 °C \| 104 °F |
| **Average Power, Inner Conductor Temperature** | 100 °C \| 212 °F |
| **Climatic Sequence Test Method** | IEC 60068-1 |
| **Corrosion Test Method** | IEC 60068-2-11 |
| **Damp Heat Steady State Test Method** | IEC 60068-2-3 |
| **Immersion Depth** | 1 m |
| **Immersion Test Mating** | Mated |
| **Immersion Test Method** | IEC 60529:2001, IP68 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |

## Packaging and Weights

# TA-NMDM

| | |
|---|---|
| **Weight, net** | 115.79 g \| 0.255 lb |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant/Exempted |

## * Footnotes

| | |
|---|---|
| **Immersion Depth** | Immersion at specified depth for 24 hours |