N Male to 4.3-10 Female Low-PIM Adapter

Product Classification

| Product Type | Adapter |

General Specifications

| Interface | N Male |
| Interface 2 | 4.3-10 Female |
| Body Style | Straight |
| Mounting Angle | Straight |

Electrical Specifications

| Connector Impedance | 50 ohm |
| Operating Frequency Band | 0 – 6000 MHz |
| 3rd Order IMD, typical | -163 dBc @ 1800 MHz |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| dc Test Voltage | 2500 V |
| Outer Contact Resistance, maximum | 1.00 mOhm |
| Inner Contact Resistance, maximum | 1.00 mOhm |
| Insulation Resistance, minimum | 5000 MOhm |

Outline Drawing
Mechanical Specifications

**Coupling Nut Proof Torque**  
1.70 N-m | 1.25 ft lb

**Coupling Nut Proof Torque Method**  
IEC 61169-4:9.3.6

**Coupling Nut Retention Force**  
450.00 N | 101.16 lbf

**Coupling Nut Retention Force Method**  
IEC 61169-4:9.3.11

**Inner Contact Plating**  
Silver

**Interface Durability**  
100 cycles

**Outer Contact Plating**  
Trimetal

Dimensions

**Diameter**  
20.00 mm | 0.79 in

**Length**  
39.24 mm | 1.54 in

**Weight**  
54.19 g | 0.12 lb

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)

**Mechanical Shock Test Method**  
IEC 60068-2-27

**Climatic Sequence Test Method**  
IEC 60068-1

**Damp Heat Steady State Test Method**  
IEC 60068-2-3
Regulatory Compliance/Certifications

**Thermal Shock Test Method**  
IEC 60068-2-14

**Vibration Test Method**  
IEC 60068-2-6

**Corrosion Test Method**  
IEC 60068-2-11

**Standard Conditions**

**Attenuation, Ambient Temperature**: 20 °C  |  68 °F  
**Average Power, Ambient Temperature**: 40 °C  |  104 °F  
**Average Power, Inner Conductor Temperature**: 100 °C  |  212 °F

**Return Loss/VSWR**

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–3000 MHz</td>
<td>1.02</td>
<td>41.00</td>
</tr>
<tr>
<td>3000–6000 MHz</td>
<td>1.07</td>
<td>29.00</td>
</tr>
</tbody>
</table>

**Agency**

- RoHS 2011/65/EU  
- ISO 9001:2015  
- China RoHS SJ/T 11364-2014

**Classification**

- Compliant by Exemption
- Designed, manufactured and/or distributed under this quality management system
- Above Maximum Concentration Value (MCV)