CA-DMDF

7-16 DIN Male to 7-16 DIN Female Adapter

Product Classification

| Product Type | Adapter |

General Specifications

| Interface | 7-16 DIN Male |
| Interface 2 | 7-16 DIN Female |
| Body Style | Straight |

Electrical Specifications

| Connector Impedance | 50 ohm |
| Operating Frequency Band | 0 – 6000 MHz |
| Average Power at Frequency | 1,300.0 W @ 900 MHz |
| RF Operating Voltage, maximum (vrms) | 1200.00 V |
| dc Test Voltage | 4000 V |
| Outer Contact Resistance, maximum | 1.50 mOhm |
| Inner Contact Resistance, maximum | 0.40 mOhm |
| Insulation Resistance, minimum | 10000 MOhm |
| Peak Power, maximum | 28.80 kW |
Outline Drawing

Mechanical Specifications

**Coupling Nut Proof Torque**
50.00 N-m | 36.88 ft lb

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

**Coupling Nut Retention Force**
800.00 N | 179.85 lbf

**Coupling Nut Retention Force Method**
IEC 61169-16:9.3.11

**Inner Contact Plating**
Silver

**Insertion Force**
200.00 N | 44.96 lbf

**Insertion Force Method**
IEC 61169-4:15.2.4

**Interface Durability**
500 cycles

**Interface Durability Method**
IEC 61169-4:9.5

**Outer Contact Plating**
Trimetal

**Pressurizable**
No

**Dimensions**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Diameter</td>
<td>34.60 mm</td>
</tr>
<tr>
<td>Length</td>
<td>38.85 mm</td>
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<tr>
<td>Weight</td>
<td>124.48 g</td>
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Environmental Specifications
CA-DMDF

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
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>
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<tbody>
<tr>
<td>0–3000 MHz</td>
<td>1.04</td>
<td>34.00</td>
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<tr>
<td>3000–6000 MHz</td>
<td>1.13</td>
<td>24.00</td>
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Regulatory Compliance/Certifications
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)