# CA-DFDR

## 7-16 DIN Female to 7-16 DIN Male Right Angle Adapter



## Product Classification

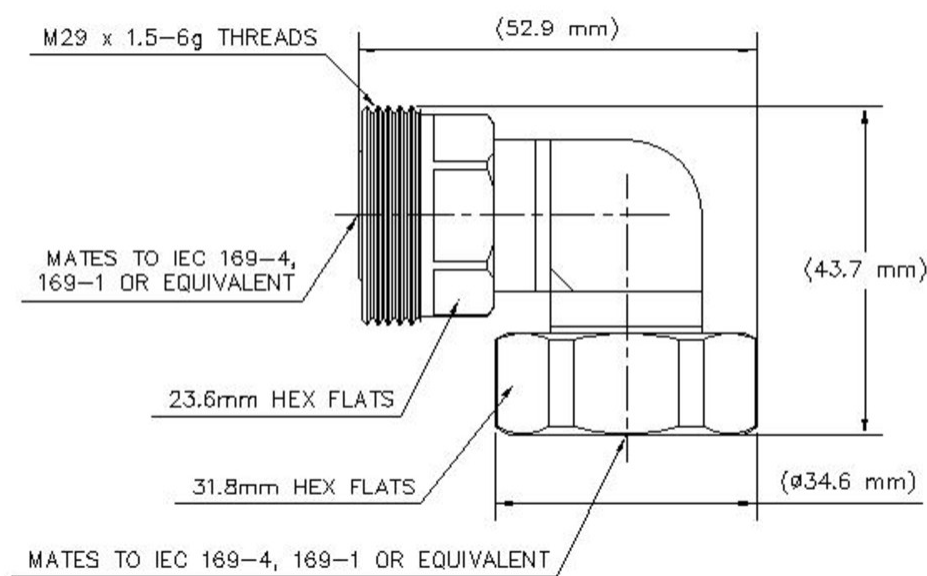| | |
|---|---|
| **Product Type** | Adapter |

## General Specifications

| | |
|---|---|
| **Body Style** | Right angle |
| **Inner Contact Plating** | Silver |
| **Interface** | 7-16 DIN Female |
| **Interface 2** | 7-16 DIN Male |
| **Outer Contact Plating** | Trimetal |
| **Pressurizable** | No |

## Dimensions

| | |
|---|---|
| **Width** | 31.75 mm | 1.25 in |
| **Length** | 53 mm | 2.087 in |
| **Diameter** | 31.75 mm | 1.25 in |

## Outline Drawing

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## Electrical Specifications

| | |
|---|---|
| **Average Power at Frequency** | 1,300.0 W @ 900 MHz |
| **Connector Impedance** | 50 ohm |
| **dc Test Voltage** | 4000 V |
| **Inner Contact Resistance, maximum** | 0.4 mOhm |
| **Insulation Resistance, minimum** | 10000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 1.5 mOhm |
| **Peak Power, maximum** | 28.8 kW |
| **RF Operating Voltage, maximum (vrms)** | 1200 V |

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.09 | 28 |
| **3000–6000 MHz** | 1.18 | 22 |

## Mechanical Specifications

| | |
|---|---|
| **Coupling Nut Proof Torque** | 50 N-m   \|   442.537 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-4:17 |
| **Coupling Nut Retention Force** | 800 N   \|   179.847 lbf |

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| | |
|---|---|
| **Coupling Nut Retention Force Method** | IEC 61169-4:15.2.6 |
| **Insertion Force** | 200 N   \|   44.962 lbf |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-4:17 |
| **Mechanical Shock Test Method** | IEC 60068-2-27 |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Storage Temperature** | -65 °C to +125 °C (-85 °F to +257 °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 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 171 g   \|   0.377 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.commscope.com/ProductCompliance |
| ROHS | Compliant |

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