

CA-DFDR



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

OBSOLETE

Replaced By:

TA-DFDR

7-16 DIN Female to 7-16 DIN Male Right Angle Low-PIM 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

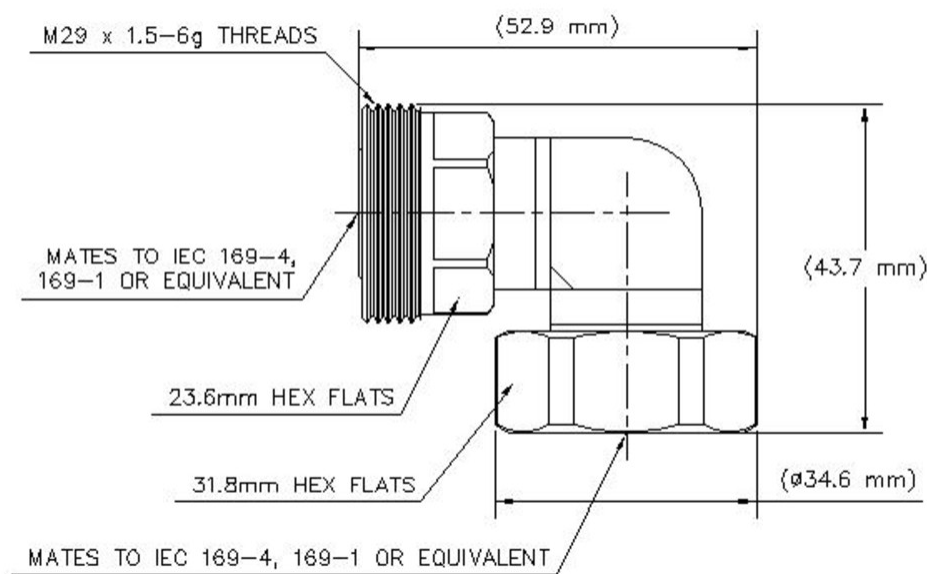
Width 31.75 mm | 1.25 in

Length 53 mm | 2.087 in

Diameter 31.75 mm | 1.25 in

Outline Drawing

CA-DFDR



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 | 1.083 | 27.99 |
| 3000-6000 MHz | 1.173 | 21.98 |

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 |

CA-DFDR

| | |
|-------------------------------------|--------------------|
| 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.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

