



## TA-DFDR

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

### Product Classification

Product Type	Device adapter
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### General Specifications

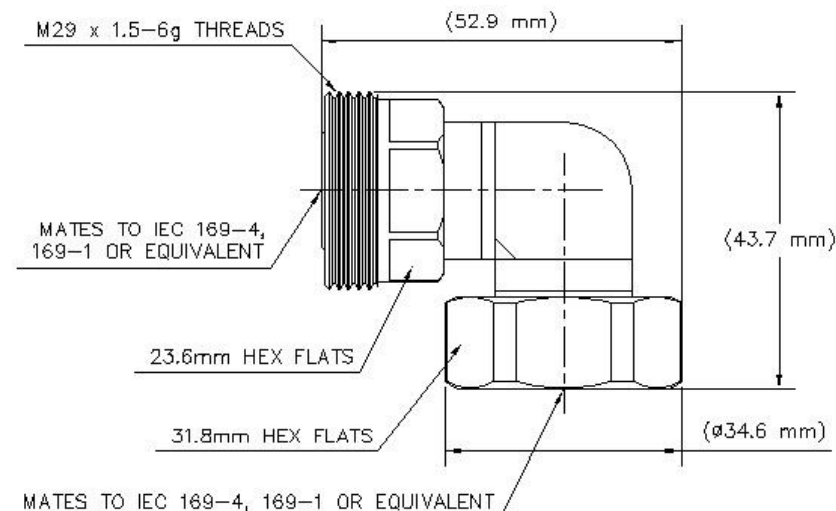
Product Type	Adapter
Interface	7-16 DIN Female
Interface 2	7-16 DIN Male
Body Style	Right angle

### 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
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
Average Power	1300.0 W @ 900 MHz
Peak Power, maximum	28.80 kW

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## Outline Drawing



## Mechanical Specifications

Coupling Nut Proof Torque	50.00 N-m   36.88 ft lb
Coupling Nut Proof Torque Method	IEC 61169-4:17
Coupling Nut Retention Force	800.00 N   179.85 lbf
Coupling Nut Retention Force Method	IEC 61169-4:15.2.6
Inner Contact Plating	Silver
Insertion Force	200.00 N   44.96 lbf
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Outer Contact Plating	Trimetal
Pressurizable	No

## Dimensions

Diameter	31.75 mm   1.25 in
Length	53.00 mm   2.09 in
Weight	171.00 g   0.38 lb
Width	31.75 mm   1.25 in

## 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)
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
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

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## Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.06	31.00

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

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

