

# TA-JFDM

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2.2-5 Female to 7-16 DIN Male Low-PIM Adapter

## Product Classification

**Product Type** Adapter

## General Specifications

**Body Style** Straight

**Inner Contact Plating** Silver

**Interface** 2.2-5 Female

**Interface 2** 7-16 DIN Male

**Mounting Angle** Straight

**Outer Contact Plating** Silver

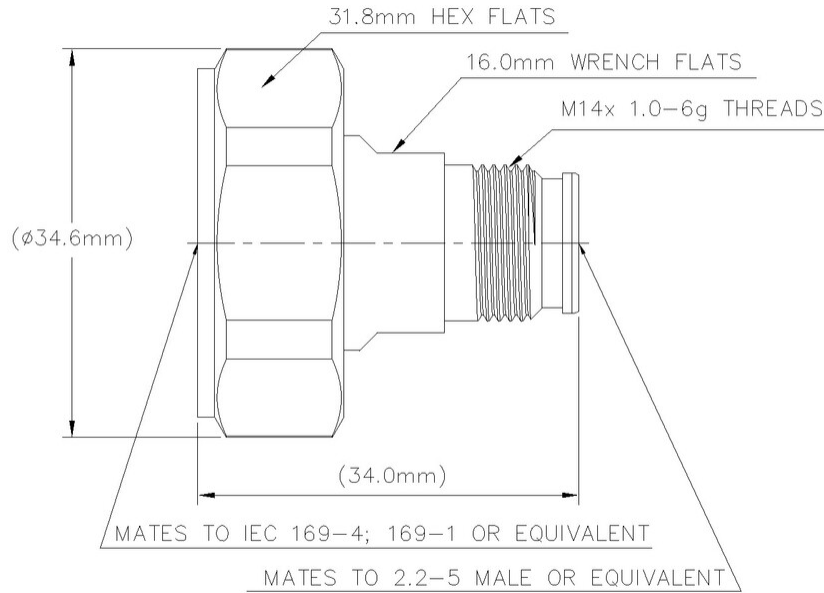
## Dimensions

**Length** 34 mm | 1.339 in

**Diameter** 34.6 mm | 1.362 in

## Outline Drawing

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## Electrical Specifications

<b>3rd Order IMD at Frequency</b>	-165 dBc @ 3500 MHz   -165 dBc @ 800 MHz   -165 dBc @ 900 MHz
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	1500 V
<b>Inner Contact Resistance, maximum</b>	2 mOhm
<b>Insulation Resistance, minimum</b>	3000 mOhm
<b>Operating Frequency Band</b>	0 – 6000 MHz
<b>Outer Contact Resistance, maximum</b>	1 mOhm

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
<b>0-3000 MHz</b>	1.032	36.06
<b>3000-6000 MHz</b>	1.083	27.99

## Mechanical Specifications

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<b>Coupling Nut Proof Torque</b>	4 N-m   35.403 in lb
<b>Coupling Nut Proof Torque, Interface 2</b>	35 N-m   309.776 in lb
<b>Coupling Nut Retention Force</b>	200 N   44.962 lbf
<b>Coupling Nut Retention Force, Interface 2</b>	100 N   22.481 lbf
<b>Interface Durability</b>	100 cycles
<b>Mechanical Shock Test Method</b>	IEC 60068-2-27

## Environmental Specifications

<b>Operating Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)
<b>Storage Temperature</b>	-65 °C to +125 °C (-85 °F to +257 °F)
<b>Attenuation, Ambient Temperature</b>	20 °C   68 °F
<b>Average Power, Ambient Temperature</b>	40 °C   104 °F
<b>Average Power, Inner Conductor Temperature</b>	100 °C   212 °F
<b>Climatic Sequence Test Method</b>	IEC 60068-1
<b>Corrosion Test Method</b>	IEC 60068-2-11
<b>Damp Heat Steady State Test Method</b>	IEC 60068-2-3
<b>Thermal Shock Test Method</b>	IEC 60068-2-14
<b>Vibration Test Method</b>	IEC 60068-2-6

## Packaging and Weights

<b>Weight, net</b>	67 g   0.148 lb
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