TA-JFDM

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

TA-JFDM
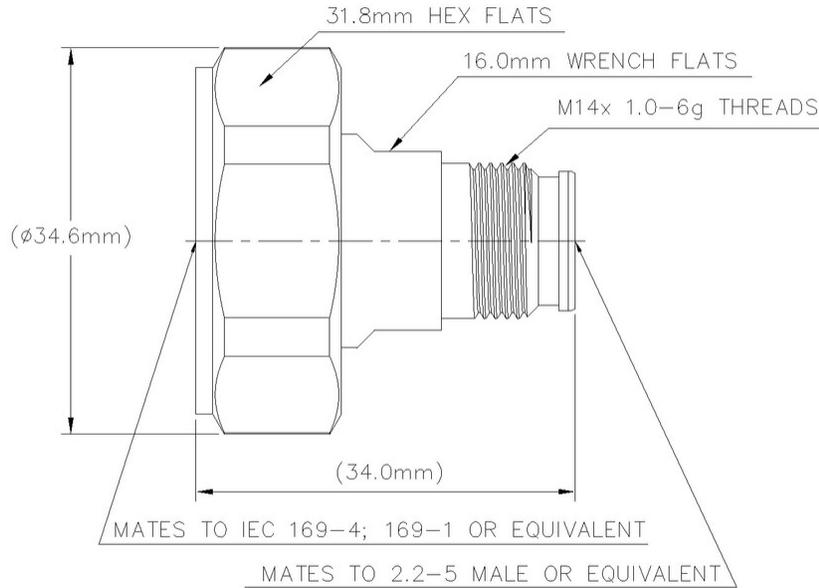
Electrical Specifications

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

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.032	36.06
3000–6000 MHz	1.083	27.99

Mechanical Specifications

TA-JFDM

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

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C | 68 °F
Average Power, Ambient Temperature	40 °C | 104 °F
Average Power, Inner Conductor Temperature	100 °C | 212 °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	67 g | 0.148 lb