



TA-DMHF

7-16 Male to 4.3-10 Female Low-PIM Adapter

General Specifications

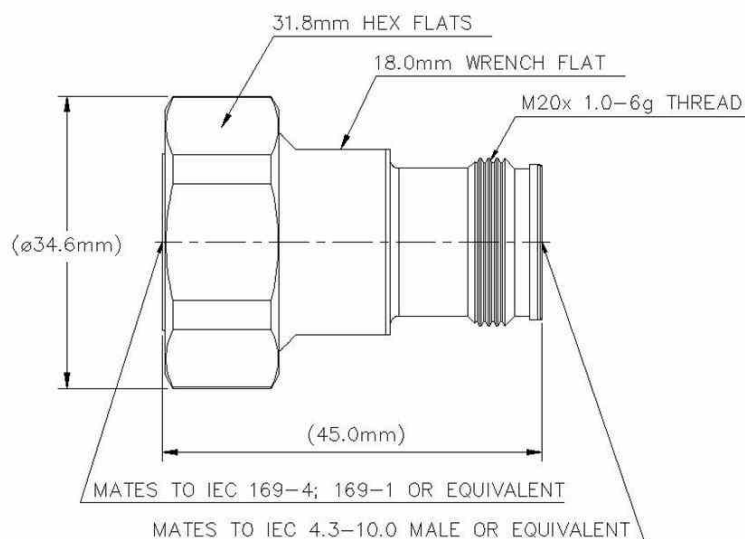
Product Type	PIM test adapter
Interface	7-16 DIN Male
Interface 2	4.3-10 Female
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
3rd Order IMD, typical	-166 dBc @ 900 MHz -166 dBc @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
dc Test Voltage	2500 V
Outer Contact Resistance, maximum	1.00 mOhm
Inner Contact Resistance, maximum	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm

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Outline Drawing



Mechanical Specifications

Coupling Nut Proof Torque	35.00 N-m 25.81 ft lb
Coupling Nut Proof Torque Method	IEC 61169-4:9.3.6
Coupling Nut Retention Force	1000.00 N 224.81 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Inner Contact Plating	Silver
Interface Durability	100 cycles
Outer Contact Plating	Trimetal

Dimensions

Diameter	34.60 mm 1.36 in
Length	45.00 mm 1.77 in
Weight	119.29 g 0.26 lb

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)
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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Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0–4000 MHz	1.05	32.00
4000–6000 MHz	1.08	28.00

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

