

# TA-XMHF

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NEX10 Male to 4.3-10 Female Adapter

## Product Classification

**Product Type** Adapter

## General Specifications

**Body Style** Straight

**Inner Contact Plating** Silver

**Interface** NEX10 Male

**Interface 2** 4.3-10 Female

**Outer Contact Plating** Trimetal

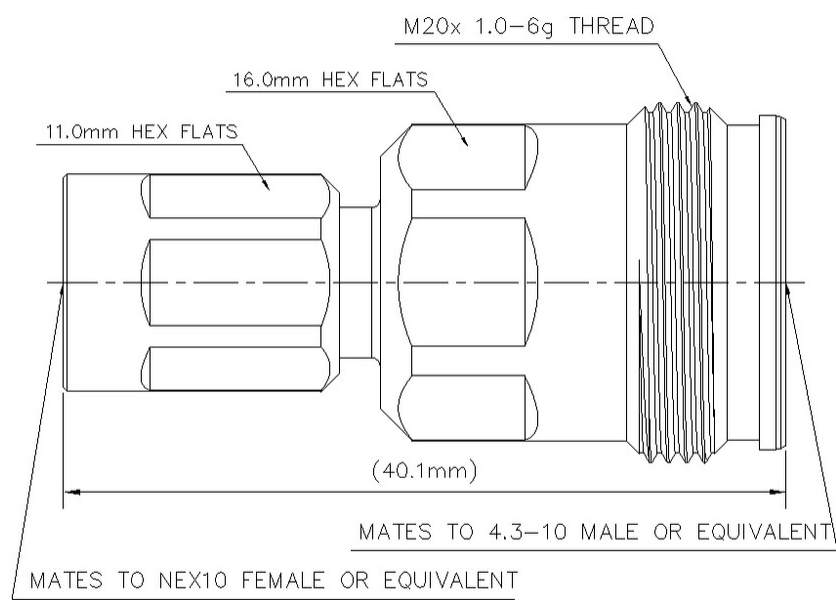
## Dimensions

**Length** 40.1 mm | 1.579 in

**Diameter** 20 mm | 0.787 in

## Outline Drawing

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## Electrical Specifications

3rd Order IMD at Frequency	-119 dBm @ 1900 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss, maximum	0.05 dB
Connector Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance, maximum	2 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1 mOhm
Peak Power, maximum	0.1 kW
RF Operating Voltage, maximum (vrms)	1000 V
Shielding Effectiveness	110 dB

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.052	32

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3000–6000 MHz

1.106

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## Mechanical Specifications

Coupling Nut Torque	1.5 N-m   13.276 in lb
Coupling Nut Proof Torque	5 N-m   44.254 in lb
Coupling Nut Proof Torque Method	IEC 61169-1:9.3.6
Coupling Nut Retention Force	450 N   101.164 lbf
Coupling Nut Retention Force Method	IEC 61169-1:9.3.11
Insertion Force	35 N   7.868 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
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

## Packaging and Weights

Weight, net	33.1 g   0.073 lb
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted

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UK-ROHS

Compliant/Exempted



\* Footnotes

**Immersion Depth**

Immersion at specified depth for 24 hours