

TA-XMHF



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

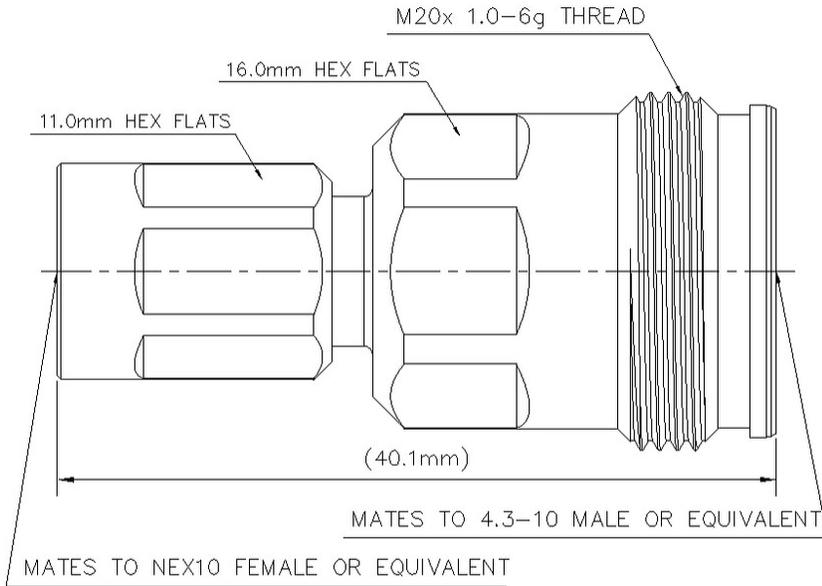
Dimensions

Length 40.1 mm | 1.579 in

Diameter 20 mm | 0.787 in

Outline Drawing

TA-XMHF



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 |
|--------------------|-------------------|

Regulatory Compliance/Certifications

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

TA-XMHF

UK-ROHS

Compliant/Exempted



* Footnotes

Immersion Depth

Immersion at specified depth for 24 hours