

TA-XFHF

NEX10 Female to 4.3-10 Female Low-PIM Adapter

Product Classification

| | |
|---------------|---------|
| Product Type | Adapter |
| Product Brand | HELIAX® |

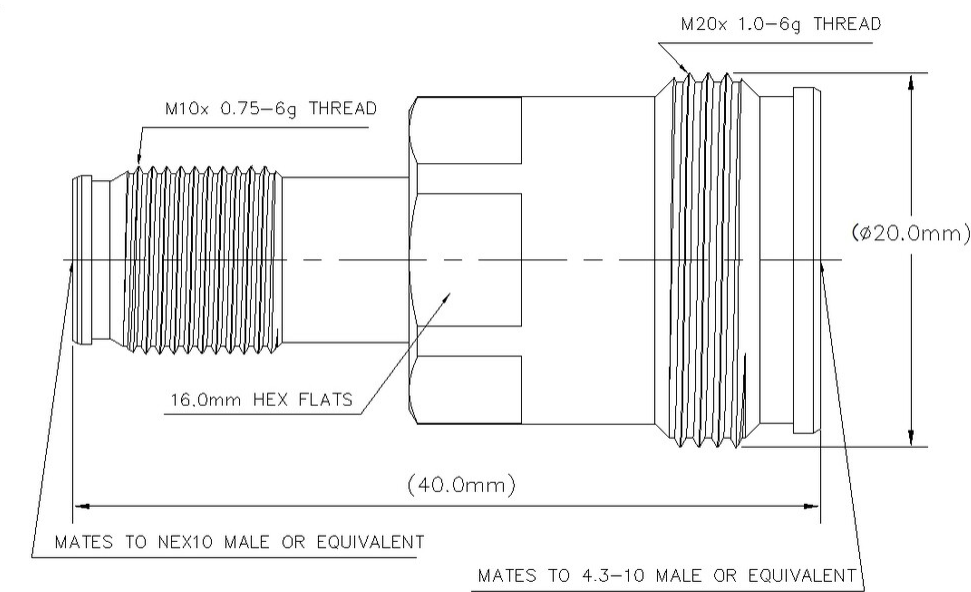
General Specifications

| | |
|-----------------------|---------------|
| Body Style | Straight |
| Inner Contact Plating | Silver |
| Interface | NEX10 Female |
| Interface 2 | 4.3-10 Female |
| Outer Contact Plating | Trimetal |

Dimensions

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|----------|------------------|
| Length | 40 mm 1.575 in |
| Diameter | 20 mm 0.787 in |

Outline Drawing



TA-XFHF

Electrical Specifications

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|--|----------------------|
| 3rd Order IMD at Frequency | -119 dBm @ 1900 MHz |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| 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 |

VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|-----------------------|-------------|-------------------------|
| 0–3000 MHz | 1.065 | 30 |
| 3000–6000 MHz | 1.135 | 24 |

Mechanical Specifications

| | |
|--|----------------------|
| Coupling Nut Proof Torque Method | IEC 61169-4:9.3.6 |
| Coupling Nut Retention Force | 1000 N 224.809 lbf |
| Coupling Nut Retention Force Method | IEC 61169-4:9.3.11 |
| 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 |

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| | |
|---------------------------|----------------------|
| 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 | 32.38 g 0.071 lb |
|-------------|--------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|--|
| CHINA-ROHS | Above maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |



* Footnotes

| | |
|-----------------|---|
| Immersion Depth | Immersion at specified depth for 24 hours |
|-----------------|---|