TA-NFHM

N Female to 4.3-10 Male Low-PIM Adapter

Product Classification

Product Type	Adapter

General Specifications

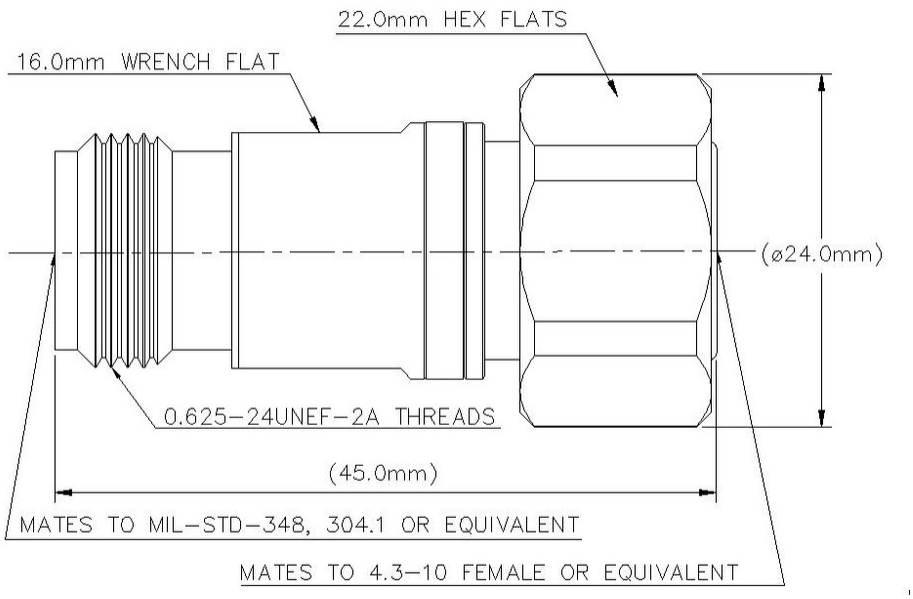
Body Style	Straight
Inner Contact Plating	Silver
Interface	N Female
Interface 2	4.3-10 Male
Mounting Angle	Straight
Outer Contact Plating	Trimetal

Dimensions

Length	45 mm | 1.772 in
Diameter	24 mm | 0.945 in

TA-NFHM

Outline Drawing



Electrical Specifications

3rd Order IMD at Frequency	-163 dBm @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance	50 ohm
dc Test Voltage	2500 V
Inner Contact Resistance, maximum	1 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	1.041	33.94
3000–6000 MHz	1.106	25.96

Mechanical Specifications

TA-NFHM

Coupling Nut Proof Torque	8 N-m | 70.806 in lb
Coupling Nut Retention Force	450 N | 101.164 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	65.84 g | 0.145 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours