

# TA-NMHF

---



N Male to 4.3-10 Female Low-PIM Adapter

## Product Classification

**Product Type** Adapter

## General Specifications

**Body Style** Straight

**Inner Contact Plating** Silver

**Interface** N Male

**Interface 2** 4.3-10 Female

**Mounting Angle** Straight

**Outer Contact Plating** Trimetal

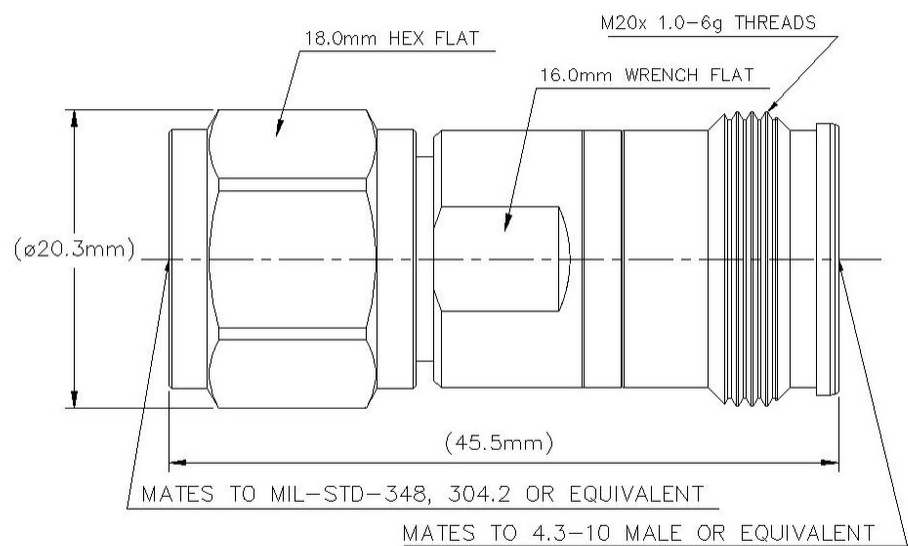
## Dimensions

**Length** 45.49 mm | 1.791 in

**Diameter** 20.25 mm | 0.797 in

## Outline Drawing

# TA-NMHF



## Electrical Specifications

3rd Order IMD at Frequency	-163 -dBc @ 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	1.032	36.06
3000-6000 MHz	1.083	27.99

## Mechanical Specifications

Coupling Nut Proof Torque	1.7 N-m   15.046 in lb
---------------------------	------------------------

# TA-NMHF

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	57.42 g   0.127 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

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

