



TA-NFHF

**N Female to 4.3-10 Female Low-PIM Adapter**

## Product Classification

Product Type	Device adapter
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## General Specifications

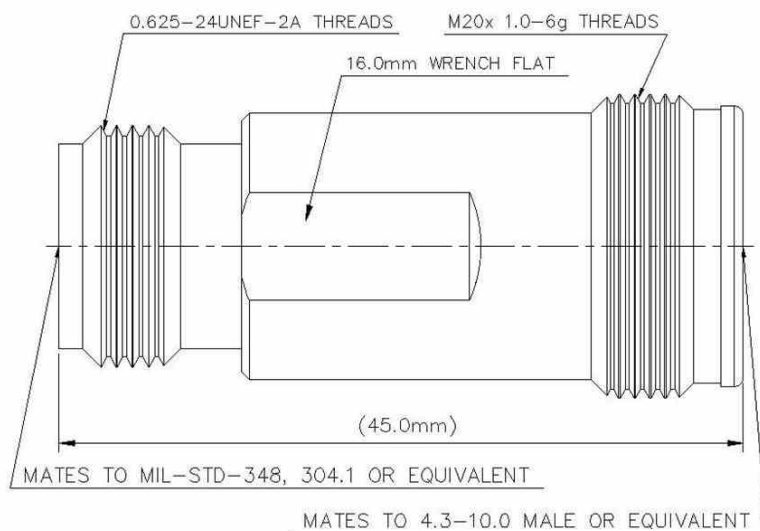
Product Type	Adapter
Interface	N Female
Interface 2	4.3-10 Female
Body Style	Straight
Mounting Angle	Straight

## Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
3rd Order IMD, typical	-116 dBm @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
dc Test Voltage	2500 V
Outer Contact Resistance, maximum	1.00 mOhm
Inner Contact Resistance, maximum	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm

TA-NFHF

## Outline Drawing



## Mechanical Specifications

Coupling Nut Proof Torque	7.00 N-m   5.16 ft lb
Coupling Nut Retention Force	450.00 N   101.16 lbf
Inner Contact Plating	Silver
Interface Durability	100 cycles
Outer Contact Plating	Trimetal

## Dimensions

Diameter	34.60 mm   1.36 in
Length	45.00 mm   1.77 in
Weight	55.65 g   0.12 lb

## 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)
Mechanical Shock Test Method	IEC 60068-2-27
Climatic Sequence Test Method	IEC 60068-1
Damp Heat Steady State Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

## Standard Conditions

TANFHF

Attenuation, Ambient Temperature 20 °C | 68 °F  
Average Power, Ambient Temperature 40 °C | 104 °F  
Average Power, Inner Conductor Temperature 100 °C | 212 °F

## Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0-4000 MHz	1.03	36.00
4000-6000 MHz	1.08	28.00

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

