TA-NFHF

N Female to 4.3-10 Female 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 Female

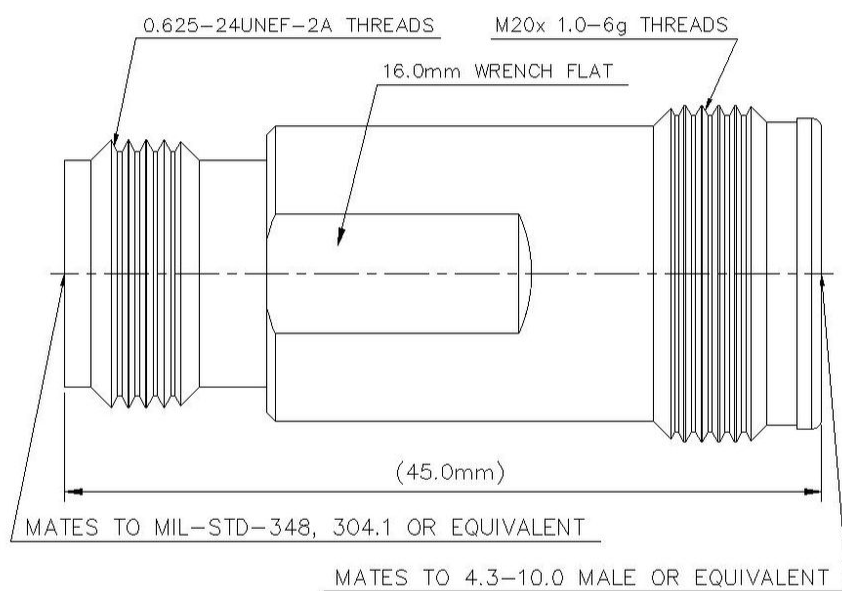**Mounting Angle**   Straight

Outer Contact Plating   Trimetal

Dimensions

Length   45 mm | 1.772 in

Diameter   34.6 mm | 1.362 in

COMMSCOPE®

TA-NFHF

Outline Drawing

Electrical Specifications

3rd Order IMD at Frequency	-163 -dBc @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Attenuation, Ambient Temperature	20 °C | 68 °F
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

COMMSCOPE®

TA-NFHF

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–4000 MHz	1.04	36
4000–6000 MHz	1.09	28

Mechanical Specifications

Coupling Nut Proof Torque	7 N-m | 61.955 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)
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
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	55.65 g | 0.123 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.commscope.com/ProductCompliance
ROHS	Compliant

COMMSCOPE®