TA-NFDM

Type N Female to 7-16 DIN Male Low-PIM Adapter

Product Classification

Product Type	Adapter

General Specifications

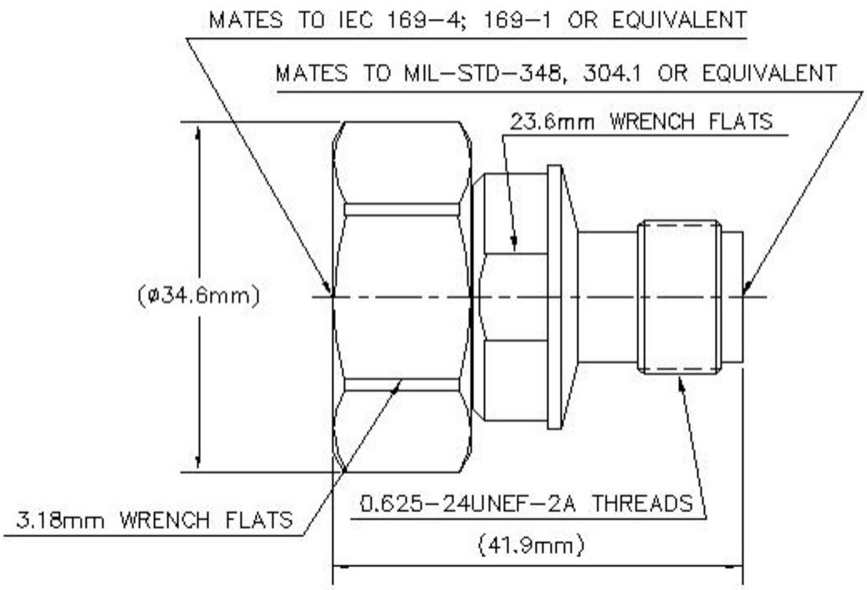
Body Style	Straight
Inner Contact Plating	Silver
Interface	N Female
Interface 2	7-16 DIN Male
Mounting Angle	Straight
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Width	22.35 mm | 0.88 in
Length	47.23 mm | 1.859 in
Diameter	22.35 mm | 0.88 in

Outline Drawing

TA-NFDM



Electrical Specifications

3rd Order IMD at Frequency	-159 -dBc @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power at Frequency	600.0 W @ 900 MHz
Connector Impedance	50 ohm
dc Test Voltage	2500 V
Inner Contact Resistance, maximum	1.5 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	0.4 mOhm
Peak Power, maximum	10 kW
RF Operating Voltage, maximum (vrms)	707 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.052	31.92
3000–6000 MHz	1.135	23.98

Mechanical Specifications

Coupling Nut Proof Torque	50 N-m | 442.537 in lb

Coupling Nut Proof Torque Method	IEC 61169-4:17
Coupling Nut Retention Force	800 N | 179.847 lbf
Coupling Nut Retention Force Method	IEC 61169-4:15.2.6
Insertion Force	200 N | 44.962 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5 | IEC 61169-4:17
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	122 g | 0.269 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