Product Specifications

POWERED BY ANDREW



CA-NFNF

Type N Female to Type N Female Adapter

General Specifications

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

Electrical Specifications

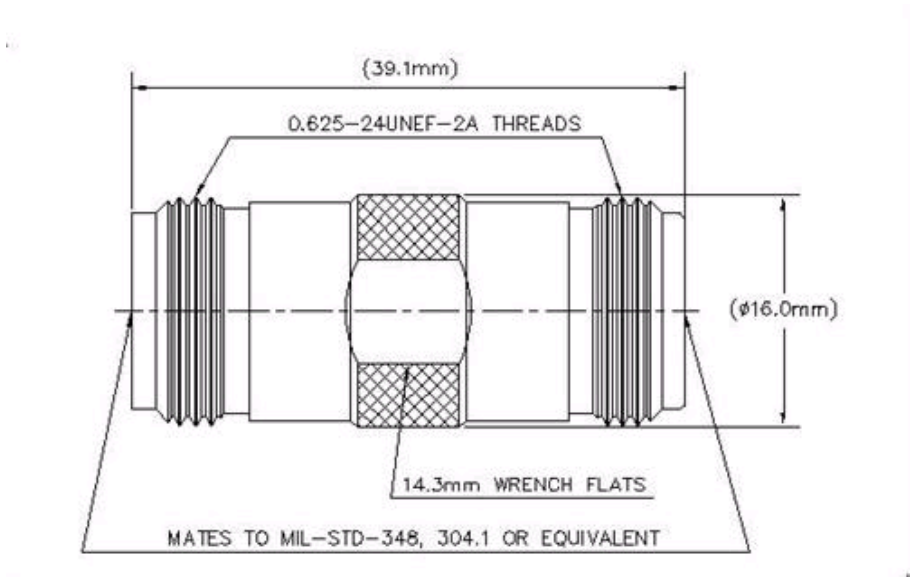
Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
3rd Order IMD, typical	116 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
RF Operating Voltage, maximum (vrms)	707.00 V
dc Test Voltage	2500 V
Outer Contact Resistance, maximum	0.25 mOhm
Inner Contact Resistance, maximum	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	600.0 W @ 900 MHz
Peak Power, maximum	10.00 kW

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Product Specifications

CA-NFNF

Outline Drawing



Mechanical Specifications

Inner Contact Plating	Gold
Insertion Force	28.00 N | 6.29 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Diameter	16.00 mm | 0.63 in
Length	39.09 mm | 1.54 in
Weight	46.35 g | 0.10 lb
Width	16.00 mm | 0.63 in

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

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Standard Conditions

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)
824–960 MHz	1.04	34.15
1710–2200 MHz	1.05	32.26
2200–4000 MHz	1.05	32.26
4000–5000 MHz	1.06	30.71
5000–6000 MHz	1.12	24.94

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

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