

# CA-NFSF

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## Type N Female to SMA Female Adapter



### Product Classification

**Product Type** Adapter

### General Specifications

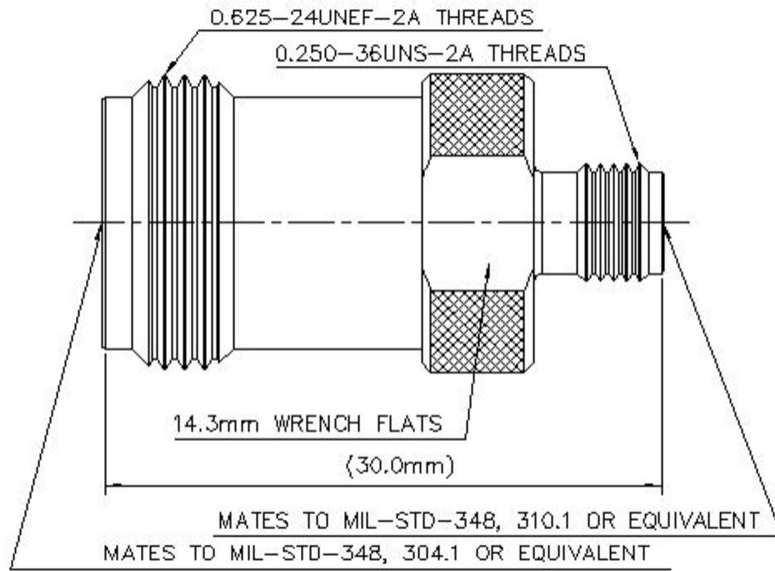
**Body Style** Straight  
**Inner Contact Plating** Gold  
**Interface** N Female  
**Interface 2** SMA Female  
**Mounting Angle** Straight  
**Outer Contact Plating** Trimetal

### Dimensions

**Width** 16 mm | 0.63 in  
**Length** 30 mm | 1.181 in  
**Diameter** 16 mm | 0.63 in

### Outline Drawing

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## Electrical Specifications

<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	1000 V
<b>Inner Contact Resistance, maximum</b>	3 mOhm
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 6000 MHz
<b>Outer Contact Resistance, maximum</b>	2.5 mOhm
<b>Peak Power, maximum</b>	5 kW
<b>RF Operating Voltage, maximum (vrms)</b>	500 V

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.052	31.92
3000-6000 MHz	1.222	20.01

## Mechanical Specifications

<b>Interface Durability</b>	500 cycles
<b>Interface Durability Method</b>	IEC 61169-15:9.5   IEC 61169-16:9.5
<b>Mechanical Shock Test Method</b>	IEC 60068-2-27

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## Environmental Specifications

<b>Operating Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)
<b>Storage Temperature</b>	-65 °C to +125 °C (-85 °F to +257 °F)
<b>Attenuation, Ambient Temperature</b>	20 °C   68 °F
<b>Average Power, Ambient Temperature</b>	40 °C   104 °F
<b>Average Power, Inner Conductor Temperature</b>	100 °C   212 °F
<b>Climatic Sequence Test Method</b>	IEC 60068-1
<b>Corrosion Test Method</b>	IEC 60068-2-11
<b>Damp Heat Steady State Test Method</b>	IEC 60068-2-3
<b>Thermal Shock Test Method</b>	IEC 60068-2-14
<b>Vibration Test Method</b>	IEC 60068-2-6

## Packaging and Weights

<b>Weight, net</b>	26.18 g   0.058 lb
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