

# 7641792

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QN Female Bulkhead

## Product Classification

**Product Type** Device connector

## General Specifications

**Body Style** Bulkhead

**Inner Contact Attachment Method** Solder

**Inner Contact Plating** Gold

**Interface** QN Female

**Outer Contact Plating** Trimetal

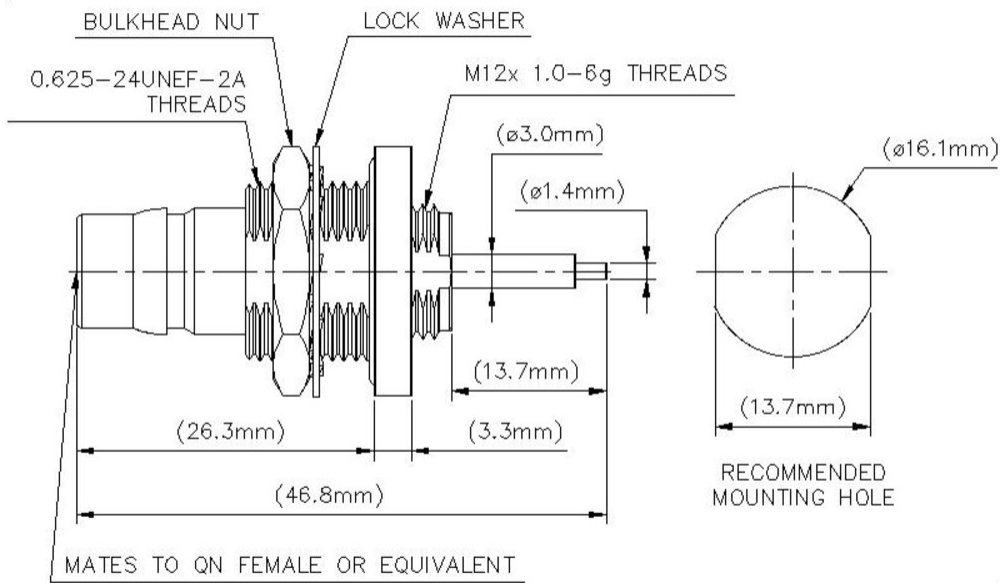
## Dimensions

**Width** 22.1 mm | 0.87 in

**Length** 47.8 mm | 1.882 in

**Diameter** 22.1 mm | 0.87 in

## Outline Drawing



## Electrical Specifications

<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	2500 V
<b>Inner Contact Resistance, maximum</b>	1.5 mOhm
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 6000 MHz
<b>Outer Contact Resistance, maximum</b>	1.5 mOhm
<b>Peak Power, maximum</b>	10 kW
<b>RF Operating Voltage, maximum (vrms)</b>	707 V

## VSWR/Return Loss

<b>Frequency Band</b>	<b>VSWR</b>	<b>Return Loss (dB)</b>
<b>0-6000 MHz</b>	1.2	20.83

## Mechanical Specifications

<b>Interface Durability</b>	100 cycles
<b>Interface Durability Method</b>	IEC 61169-16:9.5

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**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  
**Thermal Shock Test Method** IEC 60068-2-14  
**Vibration Test Method** IEC 60068-2-6

## Packaging and Weights

**Weight, net** 35.34 g | 0.078 lb