# 7641793

#### QN Female Bulkhead

### Product Classification

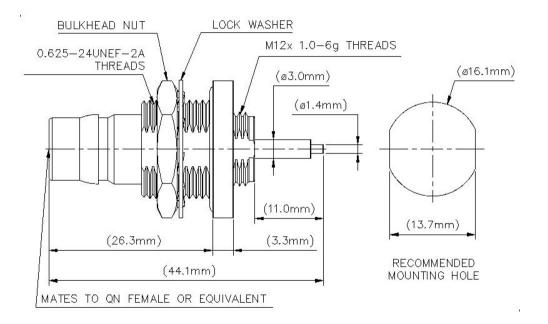
| Product Type                    | Device connector   |
|---------------------------------|--------------------|
| General Specifications          |                    |
| Body Style                      | Bulkhead           |
| Inner Contact Attachment Method | Solder             |
| Inner Contact Plating           | Gold               |
| Interface                       | QN Female          |
| Outer Contact Plating           | Trimetal           |
| Dimensions                      |                    |
| Width                           | 22.1 mm   0.87 in  |
| Length                          | 44.1 mm   1.736 in |
| Diameter                        | 22.1 mm   0.87 in  |

# Outline Drawing

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#### **Electrical Specifications**

| Connector Impedance                  | 50 ohm       |
|--------------------------------------|--------------|
| dc Test Voltage                      | 2500 V       |
| Inner Contact Resistance, maximum    | 1.5 m0hm     |
| Insulation Resistance, minimum       | 5000 MOhm    |
| Operating Frequency Band             | 0 – 6000 MHz |
| Outer Contact Resistance, maximum    | 1.5 m0hm     |
| Peak Power, maximum                  | 10 kW        |
| RF Operating Voltage, maximum (vrms) | 707 V        |

# VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|----------------|------|------------------|
| 0–6000 MHz     | 1.2  | 20.83            |

# Mechanical Specifications

#### Interface Durability

Interface Durability Method

100 cycles 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                                | 35.2 g   0.078 lb                     |

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