7641794

QN Female Bulkhead

Product Classification

Product Type	Device connector

General Specifications

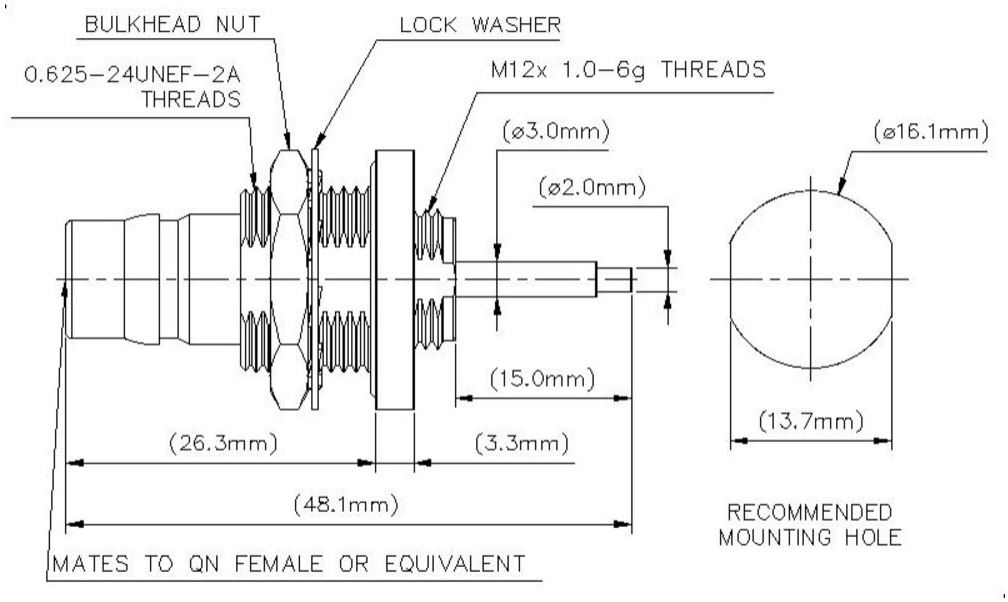
Body Style	Bulkhead
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	QN Female
Outer Contact Plating	Trimetal

Dimensions

Width	22.1 mm | 0.87 in
Length	48.1 mm | 1.894 in
Diameter	22.1 mm | 0.87 in

Outline Drawing

7641794



Electrical Specifications

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	1.5 mOhm
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	100 cycles
Interface Durability Method	IEC 61169-16:9.5

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	35.45 g | 0.078 lb