

QMA Female (Jack) Connector for SPP-250-LLPL Cable Low PIM, Solder

FMCN1444



Configuration

- QMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPP-250-LLPL
- Low PIM Design

Features

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- PIM levels better than -150 dBc
- Silver Plated Brass Contact

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Low PIM Interconnects
- Distributed Antenna Systems (DAS)
- Low PIM Jumpers
- Low PIM Testing
- Low PIM Connections

Description

QMA Female Connector Solder/Solder Attachment for SPP-250-LLPL Cable,, part number FMCN1444, from Fairview Microwave is in-stock and ships same day. This QMA female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The QMA female connector also has low passive intermodulation (PIM) of -150 dBc.

Fairview's QMA female connector FMCN1444 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-150	dBc
Operating Voltage (AC)			250	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:
Insertion Loss is $0.04 \cdot \sqrt{f(\text{GHz})}$

Mechanical Specifications

Size

Length	0.987 in [25.07 mm]
Width	0.346 in [8.79 mm]

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Height	0.346 in [8.79 mm]
Weight	0.0186 lbs [8.44 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal
Body	Brass	Tri-Metal

Environmental Specifications

Temperature	
Operating Range	-55 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

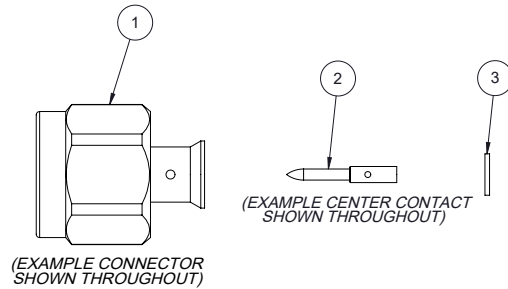
Notes:

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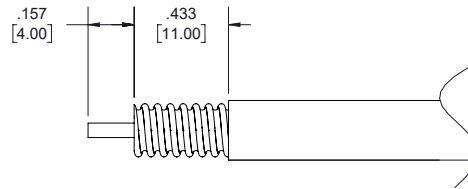
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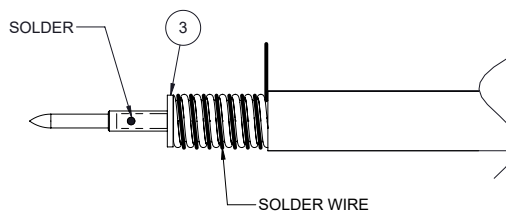
Assembly Instruction



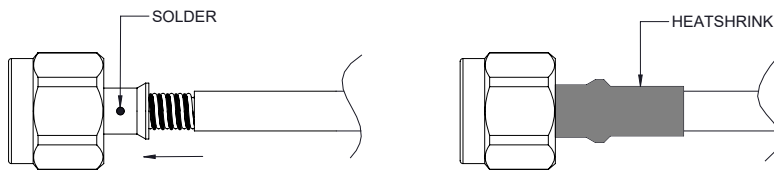
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.



2. SLIDE INSULATOR ③ OVER CABLE CENTER CONDUCTOR. INSERT CENTER CONTACT AND SOLDER. WRAP THE CABLE BY SOLDER WIRE.



3. PUSH THE CONNECTOR BODY INTO THE CABLE, UNTIL IT STOPS. SOLDER THE CONNECTOR BODY WITH CABLE AND COVER HEATSHRINK SLEEVE.



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QMA Female (Jack) Connector for SPP-250-LLPL Cable Low PIM, Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [QMA Female \(Jack\) Connector for SPP-250-LLPL Cable Low PIM, Solder FMCN1444](https://www.fairviewmicrowave.com/product/rf-connectors/qma-female-spp-250-llpl-connector-fmcn1444.html)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/qma-female-spp-250-llpl-connector-fmcn1444.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCN1444 CAD Drawing
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