

QMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250, FM-1/4SFHC Cable Low PIM

QMA, Low PIM, Connector, part number FMCN1445, from Fairview Microwave is in-stock and ships same day. This QMA male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The QMA male connector also has low passive intermodulation (PIM) of -150 dBc.

Fairview's QMA male connector FMCN1445 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	Min	Typ	Max	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

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

Mechanical Specifications

Size	
Length	0 in [0 mm]
Width/Dia.	0 in [0.00 mm]
Height	0 in [0 mm]
Weight	0.026 lbs [11.79 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Outer Conductor	Phosphor Bronze	Tri-Metal
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	Silicone Rubber	



Configuration:

- QMA Male Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL, SPO-250, SPF-250, FM-1/4SFHC Interface Type
- Solder/Solder Attachment
- 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

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Environmental Specifications

Temperature

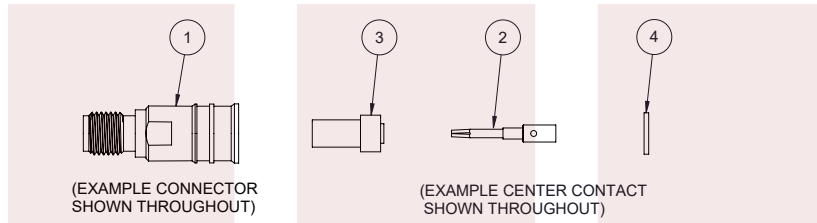
Operating Range -55 to 165 deg C

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

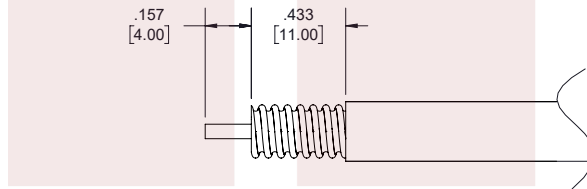
Plotted and Other Data

Notes:

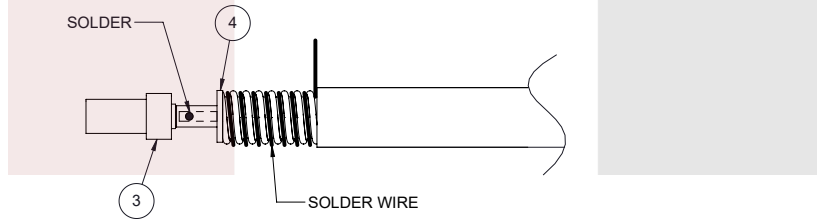
Assembly Instruction



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



2. SLIDE THICKER INSULATOR ③ OVER CENTER CONTACT AND SLIDE THINNER INSULATOR ④ 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.



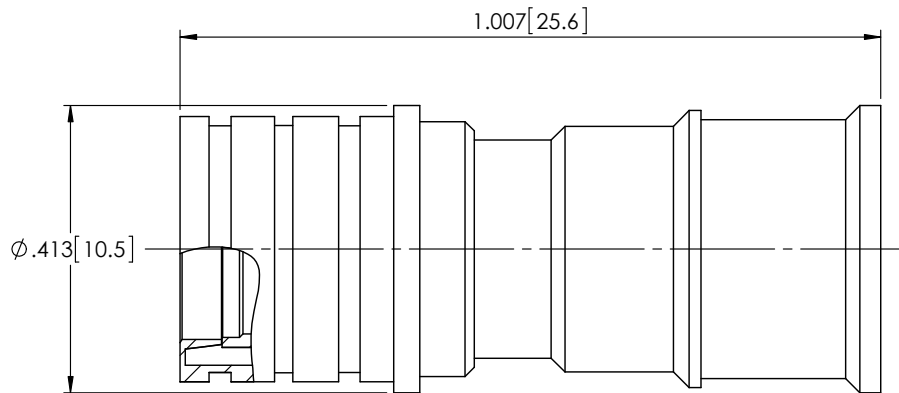
QMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250, FM-1/4SFHC Cable Low PIM from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [QMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250, FM-1/4SFHC Cable Low PIM FMCN1445](#)

URL: <https://www.fairviewmicrowave.com/qma-male-spp-250-llpl-connector-fmcn1445-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.





STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].		
TITLE		DWG NO QMM11A-A44W01		CAGE CODE 3FKR5
		CAD FILE	SHEET	SCALE N/A SIZE A CN2245