

SMA Female Bulkhead Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable

SMA female bulkhead connector with solder/solder attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250 and SPF-250, part number FMCN1721, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 6 GHz. The SMA female connector also has low passive intermodulation (PIM) of -155 dBc. Fairview's FMCN1721 bulkhead SMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's SMA female bulkhead connector FMCN1721 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
Passive Intermodulation			-155	dBc
DWV (AC)			750	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

Mechanical Specifications

Size	
Length	0.93 in [23.62 mm]
Width/Dia.	0.49 in [12.45 mm]
Weight	0.02 lbs [9.07 g]

Material Specifications

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



Configuration:

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Interface Type
- Solder/Solder Attachment
- Bulkhead
- Low PIM Design

Features:

- Operating Frequency of 6 GHz Max.
- PIM levels better than -155 dBc
- Silver Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

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

Plotted and Other Data

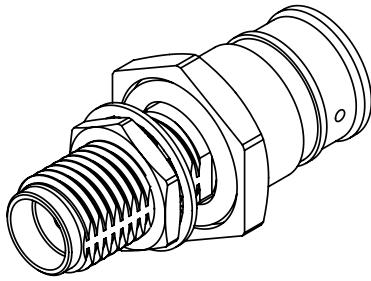
Notes:

SMA Female Bulkhead Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable 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.

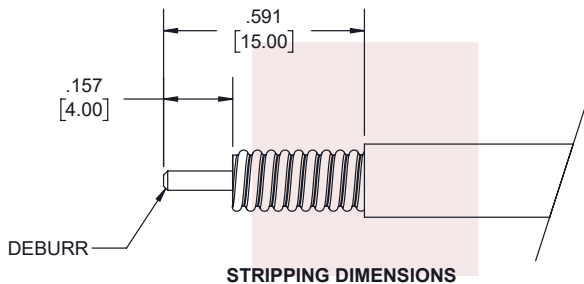
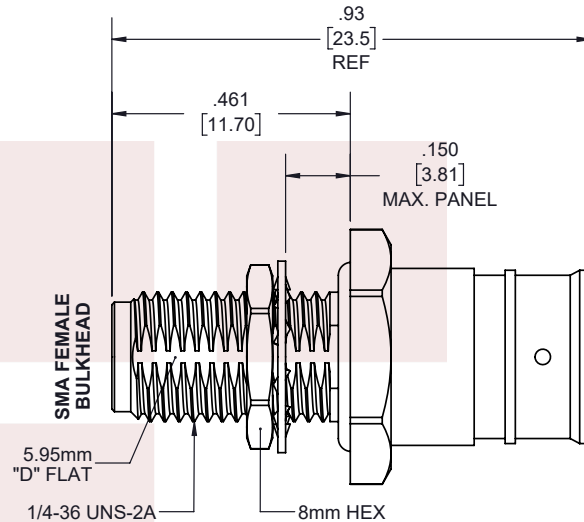
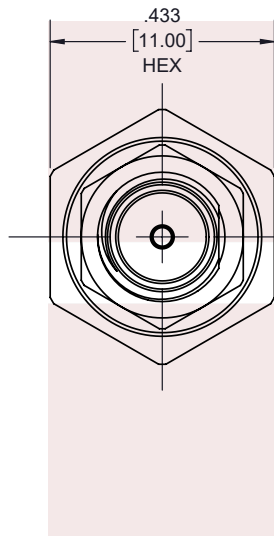
For additional information on this product, please click the following link: [SMA Female Bulkhead Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable FMCN1721](#)

URL: <https://www.fairviewmicrowave.com/sma-female-spp-250-llpl-spo-250-spf-250-connector-fmcn1721-p.aspx>

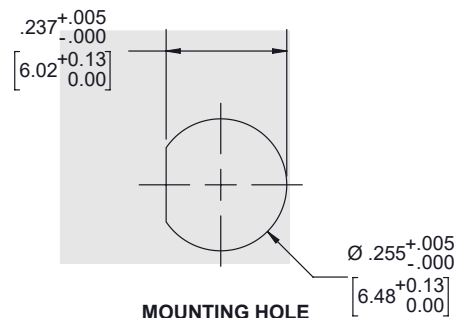
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/13/2021	S.ELLIS



STRIPPING DIMENSIONS



MOUNTING HOLE

NOTES:

- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.



TITLE

SMA Female Bulkhead Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

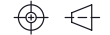
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	FMCN1721	A

T-Rev.D