

2.4mm Female Connector Field Replaceable Attachment 4 Hole Flange with EMI gasket, accepts 0.51mm (.020inch) pin

2.4mm female 4 hole flange mount field replaceable connector with EMI gasket, part number FMCN1785, from Fairview Microwave is in-stock and ships same day. This 2.4mm female connector operates up to a maximum frequency of 50 GHz and offers excellent VSWR of 1.2:1. Fairview's FMCN1785 4 hole flange 2.4mm 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 field replaceable connector is easy to install or replace in the field.

Fairview's 2.4mm female 4 hole flange connector FMCN1785 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.



Configuration:

- 2.4mm Female Connector
- 50 Ohms
- Straight Body Geometry
- with EMI gasket, accepts 0.51mm (.020inch) pin Interface Type
- Field Replaceable Attachment
- 4 Hole Flange

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		50	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	0.427 in [10.85 mm]
Width/Dia.	0.5 in [12.70 mm]
Height	0.5 in [12.7 mm]
Weight	0.1 lbs [45.36 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Contact Spring	Passivated Stainless Steel	
Insulation	PEI	
Body	Passivated Stainless Steel	
Gasket	Silicone	

Environmental Specifications

Temperature	
Operating Range	-40 to +150 deg C

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

Plotted and Other Data

Notes:

Features:

- Operating Frequency of 50 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Rack and Panel Mount Applications

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2.4mm Female Connector Field Replaceable Attachment 4 Hole Flange with EMI gasket, accepts 0.51mm (.020inch) pin 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.

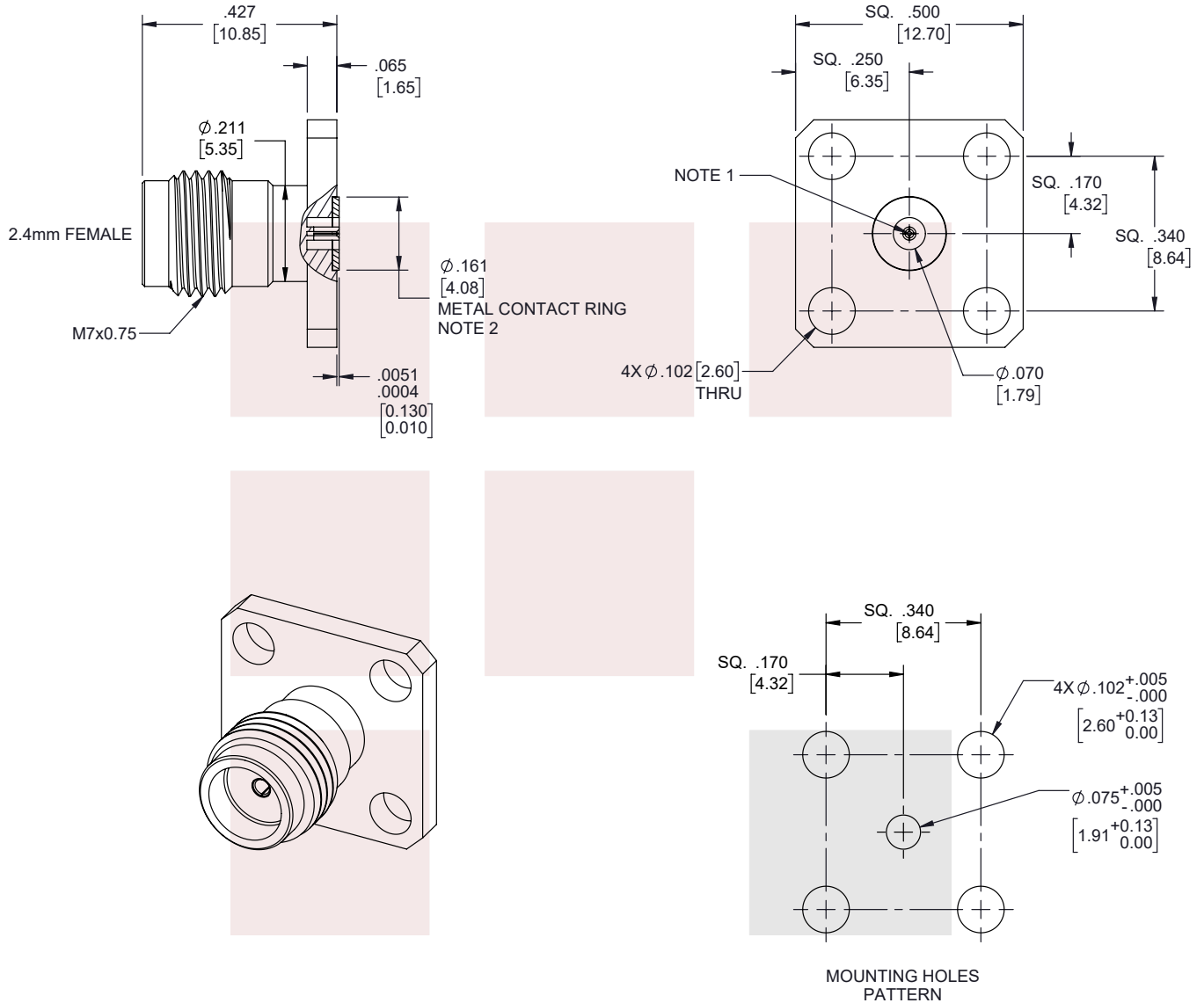
For additional information on this product, please click the following link: [2.4mm Female Connector Field Replaceable Attachment 4 Hole Flange with EMI gasket, accepts 0.51mm \(.020inch\) pin FMCN1785](#)

URL: <https://www.fairviewmicrowave.com/24mm-female-with-emi-gasket-accepts-03mm-012inch-pin-connector-fmcn1785-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	11/11/2021	SRAUTUS



- NOTES:
1. FEMALE CONTACT ACCEPTS PIN SIZE $\phi .020$ [0.51] $\nabla .071$ [1.80] MAX.
 2. SEPARATE METAL CONTACT RING (PASSIVATED).

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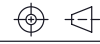
TITLE
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]		12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
	ANGLES ± 1°	120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY MVEERAPPAN	ITEM NO. FMCN1785	REV A
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