

SMA Female Connector Field Replaceable Attachment 2 Hole Flange 0.018 inch Pin, .481 inch Hole Spacing with Metal Contact Ring

SMA female 2 hole flange mount field replaceable connector with EMI gasket, part number FMCN1637, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 27 GHz and offers excellent VSWR of 1.2:1. Fairview's FMCN1637 2 hole flange 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 field replaceable connector is easy to install or replace in the field.

Fairview's SMA female 2 hole flange connector FMCN1637 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		27	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	0.372 in [9.45 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.625 in [15.88 mm]
Weight	0.005 lbs [2.27 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Passivated Stainless Steel	
Body	Passivated Stainless Steel	

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- SMA Female Connector
- Straight Body Geometry
- 0.018 inch Pin Interface Type
- Field Replaceable Attachment
- 2 Hole Flange

Features:

- Operating Frequency of 27 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact
- Metal Contact Ring

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Used in Product Requiring Hermetic Seals
- Allows for Replacement of Damaged Connectors

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SMA Female Connector Field Replaceable Attachment 2 Hole Flange 0.018 inch Pin, .481 inch Hole Spacing with Metal Contact Ring 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.

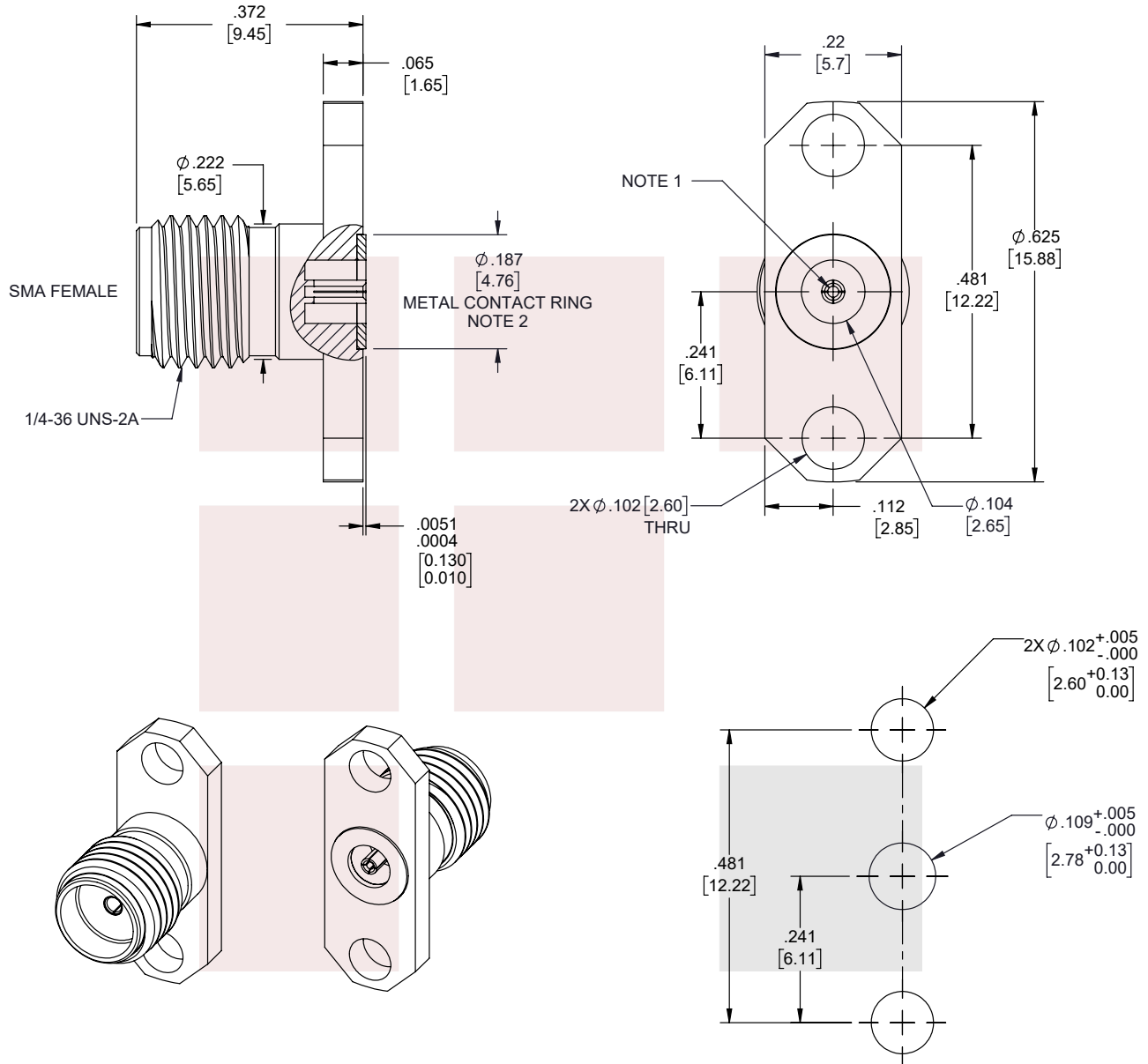
For additional information on this product, please click the following link: [SMA Female Connector Field Replaceable Attachment 2 Hole Flange 0.018 inch Pin, .481 inch Hole Spacing with Metal Contact Ring FMCN1637](#)

URL: <https://www.fairviewmicrowave.com/sma-female-0.018-pin-connector-fmcn1637-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/06/2020	S.ELLIS



- NOTES:
- FEMALE CONTACT ACCEPTS PIN SIZE $\phi .018$ [0.46] $\nabla .100$ [2.55] MAX.
 - SEPARATE METAL CONTACT RING (PASSIVATED).

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TITLE
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with Metal Contact Ring

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]	ANGLES ± 1°	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
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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.					SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY DZINN	ITEM NO. FMCN1637	REV A		

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