

Low PIM QN Female to QN Female Adapter

QN female to QN female adapter part number FMAD1092 from Fairview Microwave is in-stock and ships same day. This Fairview QN to QN adapter has a female to female gender configuration in a low PIM design. FMAD1092 QN female to QN female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum and passive intermodulation of -160 dBc maximum.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Return Loss			20.83	dB
Passive Intermodulation			-160	dBc
DWV (AC)			1,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.2:1				

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	1.425 in [36.2 mm]
Width	0.492 in [12.5 mm]
Height	0.492 in [12.5 mm]
Weight	0.5 lbs [226.8 g]

Description	Connector 1	Connector 2
Type	QN Female	QN Female
Polarity	Standard	Standard
Contact Captivation Axial Force, Min	6.07 lbs [2.75 kg]	6.07 lbs [2.75 kg]



Configuration:

- QN Female Connector 1
- QN Female Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features:

- VSWR of 1.2:1 max up to 6 GHz
- PIM levels better than -160 dBc
- Silver Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Low PIM Applications

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Material Specifications

Description	Connector 1	Connector 2
Type	QN Female	QN Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Silver	Silver
Insulation Material	PTFE	PTFE
Outer Contact Material	Beryllium Copper	Beryllium Copper
Outer Contact Plating	Silver	Silver
Body Material	Brass	Brass
Body Plating	Tri-Metal	Tri-Metal

Environmental Specifications

Temperature

Operating Range

-40 to +155 deg C

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

Plotted and Other Data

Notes:

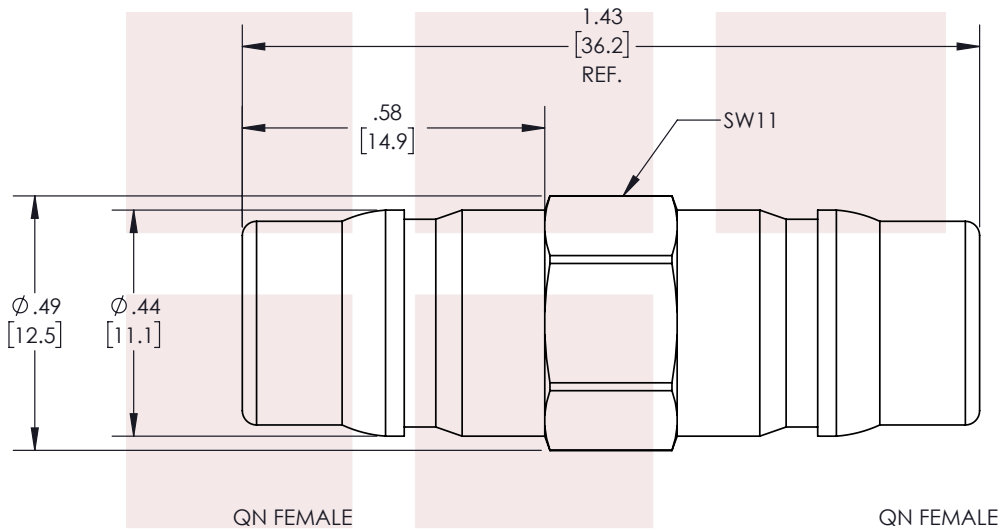
Low PIM QN Female to QN Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low PIM QN Female to QN Female Adapter FMAD1092](#)

URL: <https://www.fairviewmicrowave.com/low-pim-qn-female-to-qn-female-adapter-fmad1092-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/24/2022	AGANWANI



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	<p>TOLERANCES:</p> <p>.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]</p>		<p>CABLE LENGTH (L) TOLERANCES:</p> <p>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</p>		<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p>	
<p>TITLE</p> <p>Low PIM QN Female to QN Female Adapter</p>			<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		<p>SHEET 1 OF 1</p>	
<p>SIZE A CAGE CODE 3FKR5 DRAWN BY VTHANGARAJ ITEM NO. FMAD1092</p>			<p>SCALE N/A</p>		<p>REV A</p>	

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