Fairview Microwave
an INFINITE brand

FMAD1189
DATA SHEET

Low PIM N Male to QN Female Adapter

Type N male to QN female adapter part number FMAD1189 from Fairview Microwave is in-stock and ships same day. This Fairview type N to QN adapter has a male to female gender configuration in a low PIM design. FMAD1189 type N male to QN female adapter operates to 8.5 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.

Configuration:

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

Features:

- VSWR of 1.2:1 max up to 8.5 GHz
- PIM levels better than -160 dBc
- Silver Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test
- Low PIM Applications

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		8.5	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	1.580 in [40.1 mm]
Width	0.846 in [21.49 mm]
Height	0.846 in [21.49 mm]
Weight	0.5 lbs [226.8 g]

Description	Connector 1	Connector 2
Type	N Male	QN Female
Polarity	Standard	Standard
Hex Size	20 mm	
Contact Captivation Axial Force, Min	6.07 lbs [2.75 kg]	6.07 lbs [2.75 kg]

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Material Specifications

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

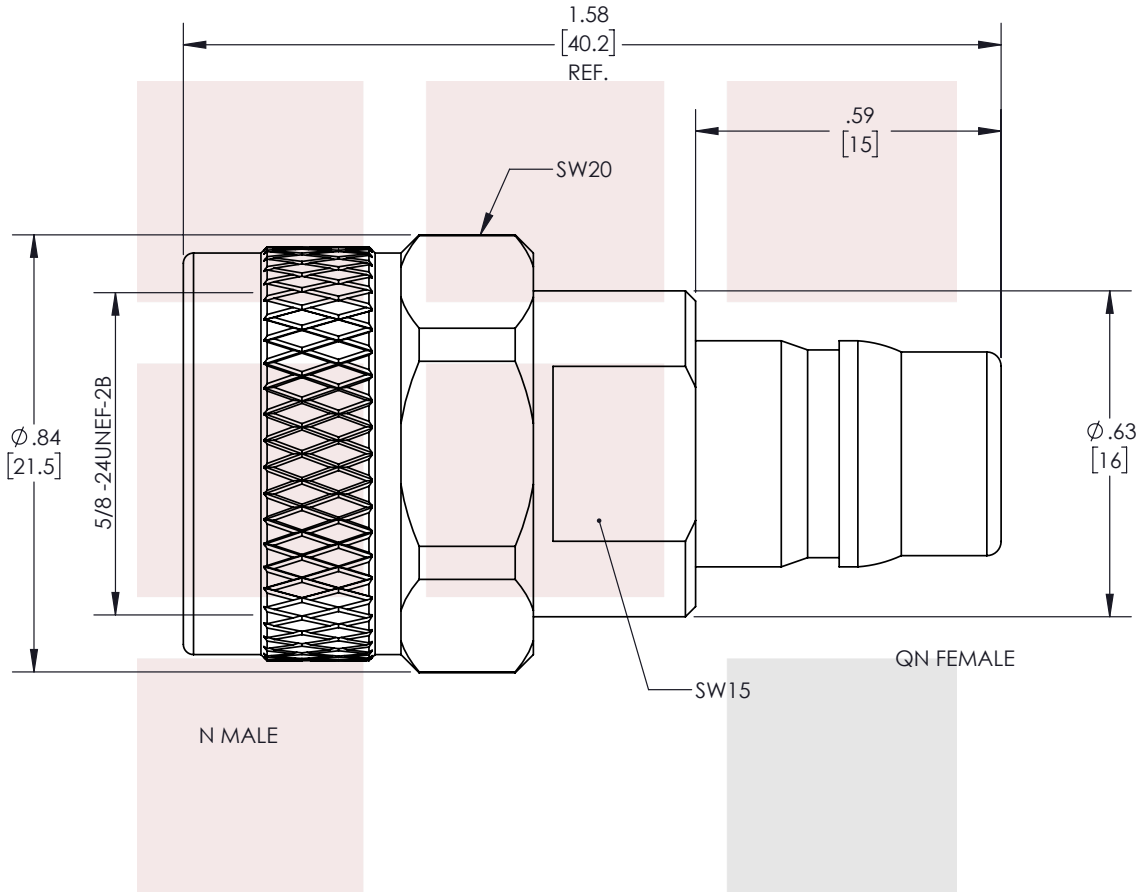
Low PIM N Male to QN Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Low PIM N Male to QN Female Adapter FMAD1189

URL: https://www.fairviewmicrowave.com/low-pim-n-male-to-qn-female-adapter-fmad1189-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	03/24/2022	AGANWANI



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TITLE

Low PIM N Male to QN Female Adapter

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

TOLERANCES:

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

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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	VTHANGARAJ	FMAD1189	A

T-Rev.D