



Low PIM QN Female to QN Female Adapter

RF Adapters Technical Data Sheet

PE9092

Configuration

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

Features

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

Applications

- General Purpose Test
- Low PIM Applications

Description

Pasternack's PE9092 QN female to QN female adapter is part of our full line of RF components available for same-day shipping. Our QN to QN adapter has a female to female gender configuration in a low PIM design. PE9092 QN female to QN female adapter operates to 6 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum and passive intermodulation of -160 dBc maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/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. Pasternack 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Return Loss			20.83	dB
Passive Intermodulation			-160	dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Performance 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:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM QN Female to QN Female Adapter PE9092](#)



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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	0.039 lbs [17.69 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]

Material Specifications

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

Environmental Specifications

Temperature

Operating Range	-40 to +155 °C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Low PIM QN Female to QN Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

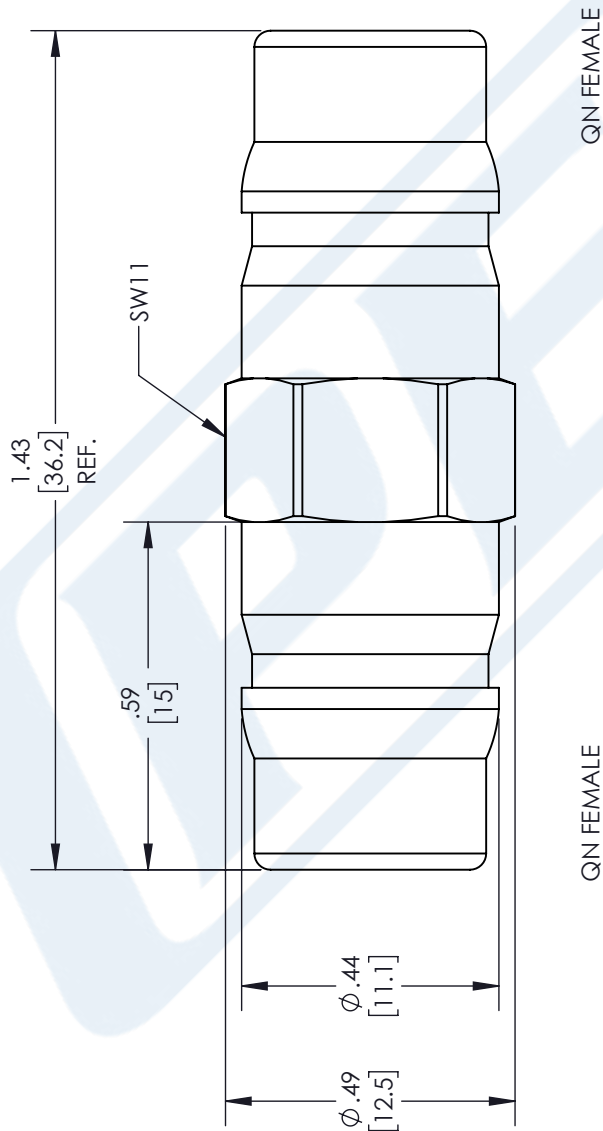
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM QN Female to QN Female Adapter PE9092](https://www.pasternack.com/low-pim-qn-female-to-qn-female-adapter-pe9092-p.aspx)

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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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE9092 CAD Drawing
Low PIM QN Female to QN Female Adapter

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



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% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



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SIZE A CAGE CODE 53919 DRAWN BY VTHANGARAJ

ITEM NO. PE9092

REV A



THIRD-ANGLE PROJECTION
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SHEET 1 OF 1

SCALE N/A

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