

Low PIM N Female (Jack) to QMA Male (Plug) Adapter



FMAD1709

Configuration

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

Features

- Typical PIM levels of -155 dBc
- 200µ in contact plating
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.1:1 at 3GHz, Max of VSWR 1.15:1 at 6GHz

Applications

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

Description

Type N female to QMA male adapter part number FMAD1709 from Fairview Microwave is in-stock and ships same day. This Fairview type N to QMA adapter has a female to male gender configuration in a low PIM design. FMAD1709 type N female to QMA male adapter operates to 6 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -155 dBc typical.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50 Ohm		
Passive Intermodulation		-155		dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.18 in [29.90 mm]
Width	0.63 in [16.00 mm]
Height	0.63 in [16.00 mm]
Weight	0.05 lbs [22.05 g]

Description	Connector 1	Connector 2
Type	N Female	QMA Male
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		QMA Male	
Contact	Beryllium Copper	Silver 200μ in	Beryllium Copper	Silver 200μ in
Insulation	PTFE		PTFE	
Outer Conductor	Bronze	Tri-Metal		
Body	Brass	Tri-Metal	Brass	Tri-Metal
Coupling Nut			Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +155 °C

Environmental Specification Notes:
IEC 61169-16

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

Plotted and Other Data

Low PIM N Female (Jack) to QMA Male (Plug) 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 Female \(Jack\) to QMA Male \(Plug\) Adapter FMAD1709](#)

URL: <https://www.fairviewmicrowave.com/low-pim-n-female-to-qma-male-adapter-fmad1709-p.aspx>

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FMAD1709 CAD Drawing

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