

Low PIM N Female (Jack) to NEX10 Male (Plug) Adapter



FMAD1706

Configuration

- N Female Connector 1
- NEX10 Male Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features

- Typical PIM levels of -160 dBc
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.15:1 at 3GHz, Max of VSWR 1.25:1 at 6GHz
- PIM is less than -160dBc at 1.8GHz typical

Applications

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

Description

Type N female to NEX10 male adapter part number FMAD1706 from Fairview Microwave is in-stock and ships same day. This Fairview type N to NEX10 adapter has a female to male gender configuration in a low PIM design. FMAD1706 type N female to NEX10 male adapter operates to 8 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -160 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		8	GHz
Impedance		50 Ohm		
Passive Intermodulation		-160		dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size

Length	1.45 in [36.90 mm]
Width	0.62 in [15.80 mm]
Height	0.62 in [15.80 mm]
Weight	0.06 lbs [28.14 g]

Description	Connector 1	Connector 2
Type	N Female	NEX10 Male
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		NEX10 Male	
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Silver		
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 NEX10 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 NEX10 Male \(Plug\) Adapter FMAD1706](#)

URL: <https://www.fairviewmicrowave.com/low-pim-n-female-to-nex10-male-adapter-fmad1706-p.aspx>

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FMAD1706 CAD Drawing

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