

## N Male Low PIM Connector Solder Attachment for SPF-250, SPO-250, SPP-250-LLPL, FM-1/4SFHC, 1/4" Superflexible Cable



### FMCN45994

#### Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPF-250, SPO-250, SPP-250-LLPL, FM-1/4SFHC, 1/4" Superflexible
- Low PIM Design

#### Features

- Operating Frequency of 6 GHz Max.
- Silver Plated Brass Contact
- Max of VSWR 1.1:1 at 1GHz, Max of VSWR 1.15:1 at 3.7GHz, Max of VSWR 1.25:1 at 6GHz
- PIM is less than -160dBc at 1.8GHz typical

#### Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

#### Description

Type N Male Low PIM Connector Solder/Solder Attachment for SPF-250, SPO-250, SPP-250-LLPL, FM-1/4SFHC and 1/4" Superflexible Cable, part number FMCN45994, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz.

Fairview's type N male connector FMCN45994 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	1.216535 in [30.9 mm]
Width	0.787402 in [20.00 mm]
Height	0.846457 in [21.5 mm]
Weight	0.07216 lbs [32.73 g]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

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#### Environmental Specifications

##### Temperature

Operating Range

-40 to +155 deg C

Environmental Specification Notes:

IEC 61169-16

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

#### Plotted and Other Data

Notes:

N Male Low PIM Connector Solder Attachment for SPF-250, SPO-250, SPP-250-LLPL, FM-1/4SFHC, 1/4" Superflexible Cable 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: [N Male Low PIM Connector Solder Attachment for SPF-250, SPO-250, SPP-250-LLPL, FM-1/4SFHC, 1/4" Superflexible Cable FMCN45994](#)

URL: <https://www.fairviewmicrowave.com/n-male-spf-250-spo-250-spp-250-llpl-fm-1-4sfhc-1-4-inch-superflexible-connector-fmcn45994-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

# FMCN45994 CAD Drawing

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