

## N Male Connector Solder Attachment for SPP-250-LLPL Cable Low PIM

Type N male connector with solder/solder attachment for SPP-250-LLPL, part number FMCN1442, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1. The type N male connector also has low passive intermodulation (PIM) of -165 dBc.

Fairview's type N male connector FMCN1442 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	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-165	dBc
Operating Voltage (AC)			250	Vrms
Inner Cond. DC Resistance			6	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
 Insertion Loss is  $0.04 \times \sqrt{f(\text{GHz})}$

### Mechanical Specifications

Weight 0.064 lbs [29.03 g]

### Material Specifications

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



### Configuration:

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL Interface Type
- Solder/Solder Attachment

### Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.2:1
- PIM levels better than -165 dBc
- Silver Plated Phosphor Bronze Contact

### Applications:

- General Purpose Test
- Custom Cable Assemblies
- Low PIM Interconnects
- Distributed Antenna Systems (DAS)
- Low PIM Jumpers
- Low PIM Testing
- Low PIM Connections

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## Environmental Specifications

### Temperature

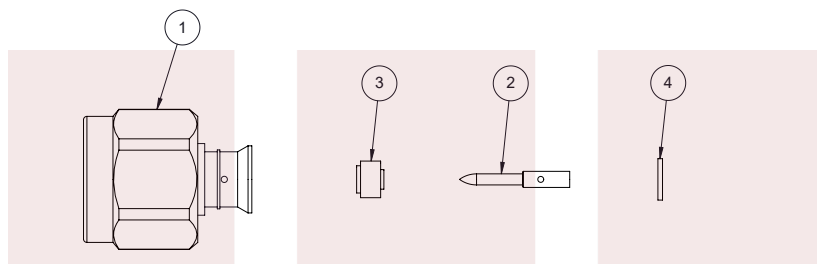
Operating Range -55 to +165 deg C

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

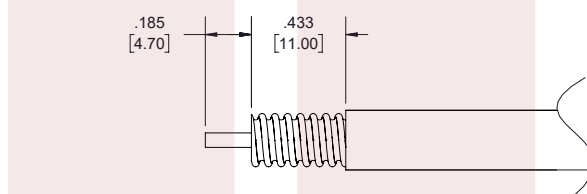
## Plotted and Other Data

Notes:

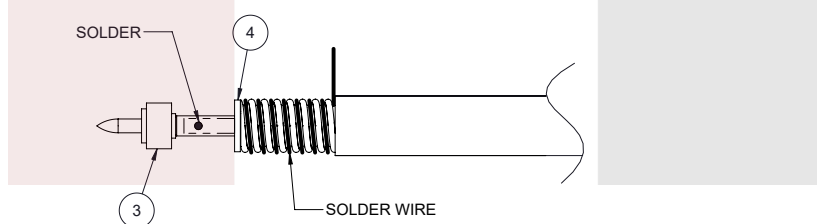
### Assembly Instruction



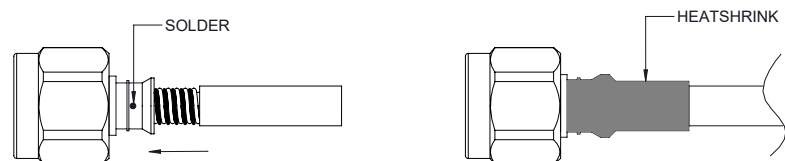
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.



2. SLIDE THICKER INSULATOR ③ OVER CENTER CONTACT AND SLIDE THINNER INSULATOR ④ OVER CABLE CENTER CONDUCTOR. INSERT CENTER CONTACT AND SOLDER. WRAP THE CABLE BY SOLDER WIRE.



3. PUSH THE CONNECTOR BODY INTO THE CABLE, UNTIL IT STOPS. SOLDER THE CONNECTOR BODY WITH CABLE AND COVER HEATSHRINK SLEEVE.



N Male Connector Solder Attachment for SPP-250-LLPL Cable Low PIM 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.

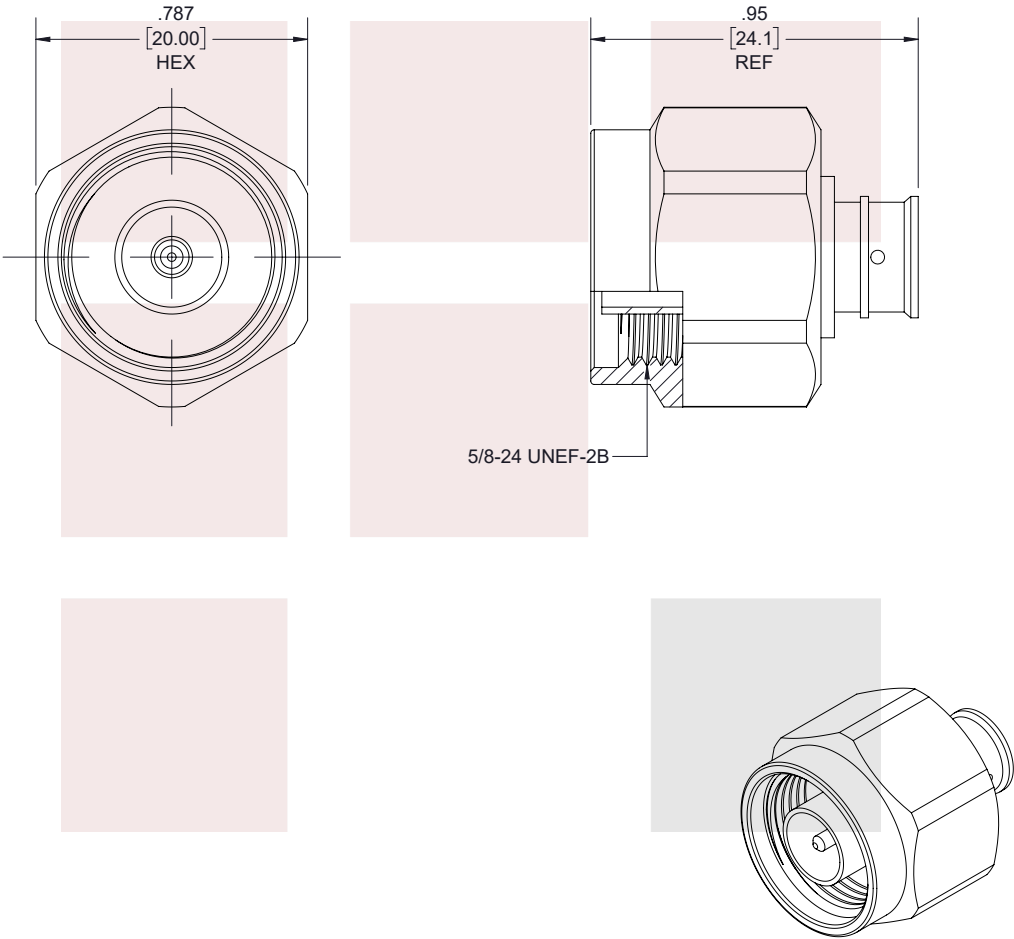
For additional information on this product, please click the following link: [N Male Connector Solder Attachment for SPP-250-LLPL Cable Low PIM FMCN1442](#)

URL: <https://www.fairviewmicrowave.com/n-male-spp-250-llpl-connector-fmcn1442-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	PCR PE45427 ; FMCN1442	3/23/2020	S.ELLIS



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<div><div><div></div><div></div><div></div><div></div></div><div><div>Fairview Microwave</div><div>an INFINITE brand</div></div></div>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS			THIRD-ANGLE PROJECTION 	
TITLE  N Male Connector Solder Attachment for SPP-250-LLPL Cable Low PIM	TOLERANCES:			CABLE LENGTH (L) TOLERANCES:	
	.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]			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	
	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SHEET 1 OF 1	
				SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMCN1442	REV A	

T-Rev.D