

## Low PIM 4.1/9.5 Mini DIN Male to 4.1/9.5 Mini DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax

The 4.1/9.5 Mini DIN male to 4.1/9.5 Mini DIN female 100 cm cable using 0.141 Formable low PIM coax, part number FMC3739951-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview 4.1/9.5 Mini DIN to 4.1/9.5 Mini DIN cable assembly has a male to female gender configuration with 50 ohm formable 0.141 formable low PIM coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMC3739951-100CM 4.1/9.5 Mini DIN male to 4.1/9.5 Mini DIN female cable assembly operates to 3 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.2:1	
RF Shielding	-100			dB
Passive Intermodulation			-160	dBc
Input Power (Average)			440	Watts

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	2.5	3	GHz
Insertion Loss (Typ.)	0.083	0.125	0.183	0.21	0.229	dB
Power Handling (Max.)	440	300	220	190	170	W

### Mechanical Specifications

#### Cable Assembly

Weight 0.272 lbs [123.38 g]

#### Cable

Cable Type 0.141 Formable Low PIM  
 Impedance 50 Ohms  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Outer Conductor Material and Plating Copper, Tin  
 Jacket Material PVC LSZH  
 Jacket Diameter 0.163 in [4.14 mm]

One Time Minimum Bend Radius 1.5 in [38.1 mm]



### Configuration:

- 4.1/9.5 Mini DIN Male
- 4.1/9.5 Mini DIN Female
- 0.141 Formable Low PIM

### Features:

- Max Frequency 3 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > -100 dB
- PVC LSZH Jacket

### Applications:

- General Purpose
- Laboratory Use
- Low PIM Applications

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Connectors**

Description	Connector 1	Connector 2
Type	4.1/9.5 Mini DIN Male	4.1/9.5 Mini DIN Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Silver	Brass, Silver
Coupling Nut Material & Plating	Brass, Tri-Metal	
Hex Size	3/4 inch	

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FMC3739951 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

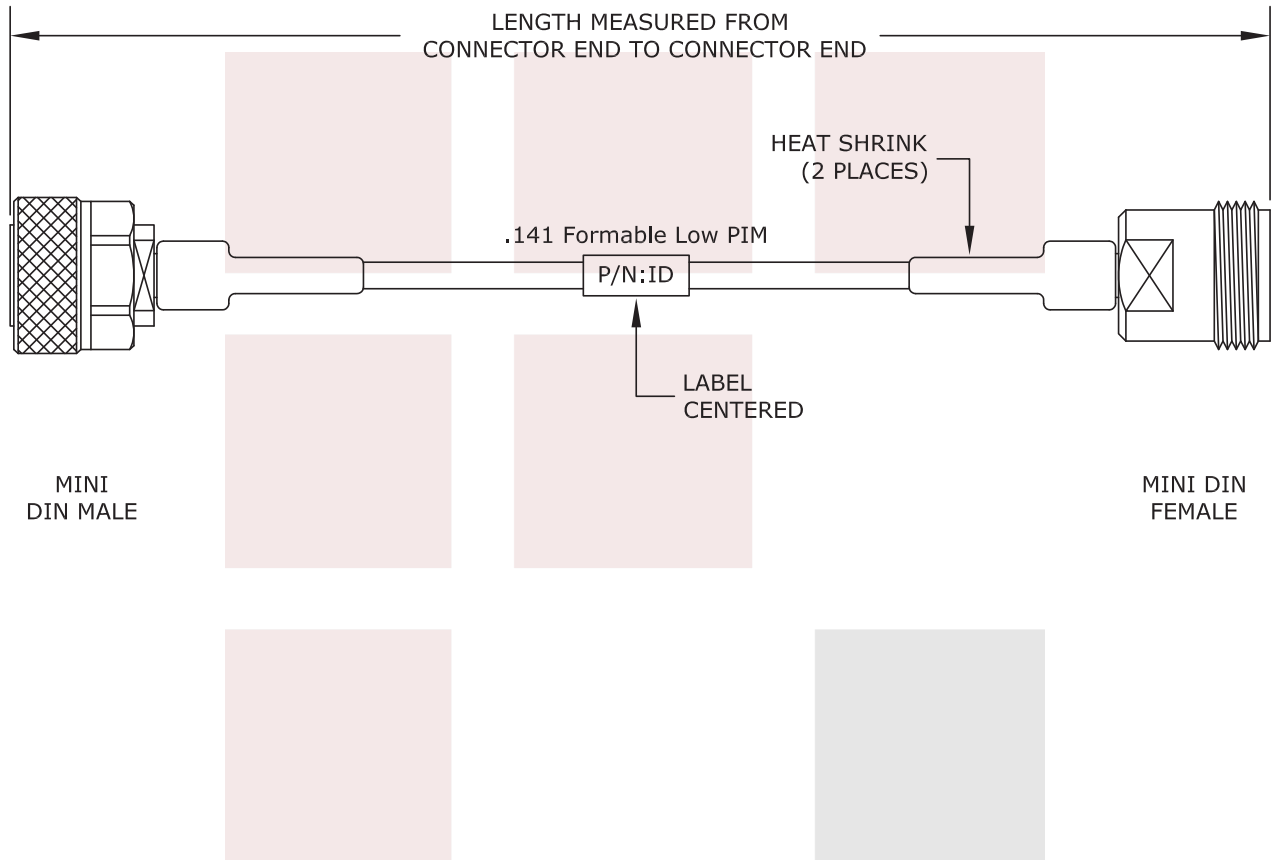
Example: FMC3739951-12 = 12 inches long cable  
FMC3739951-100cm = 100 cm long cable

Low PIM 4.1/9.5 Mini DIN Male to 4.1/9.5 Mini DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Low PIM 4.1/9.5 Mini DIN Male to 4.1/9.5 Mini DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax FMC3739951-100CM](#)

URL: <https://www.fairviewmicrowave.com/4.1-9.5-mini-din-male-4.1-9.5-mini-din-female-cable-0.141-formable-low-pim-coax-fmc3739951-100cm-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.



<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Low PIM 4.1/9.5 Mini DIN Male to 4.1/9.5 Mini DIN Female LSZH Jacketed Cable 0.141 Formable Low PIM Coax		DWG NO FMC3739951		CAGE CODE 3FKR5	
CAD FILE	120314	SHEET	SCALE	N/A	SIZE A 2233