

## RA 7/16 DIN Male Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable

RA 7/16 DIN male connector with solder/solder attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250 and SPF-250, part number FMCN1701, from Fairview Microwave is in-stock and ships same day. This 7/16 DIN male connector operates up to a maximum frequency of 6 GHz. The 7/16 DIN male connector also has low passive intermodulation (PIM) of -160 dBc. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA 7/16 DIN male connector FMCN1701 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
Passive Intermodulation			-160	dBc
DWV (AC)			1,000	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3					GHz
VSWR, Max	1.15:1					

### Mechanical Specifications

<b>Size</b>	
Length	1.3 in [33.02 mm]
Width/Dia.	1.37 in [34.80 mm]
Weight	0.19 lbs [86.18 g]

### Material Specifications

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

Mechanical Specification Notes:  
Interface Conforms to IEC 61169-4



### Configuration:

- 7/16 DIN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Interface Type
- Solder/Solder Attachment
- Low PIM Design

### Features:

- Operating Frequency of 6 GHz Max.
- PIM levels better than -160 dBc
- Silver Plated Brass Contact

### Applications:

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

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## Environmental Specifications

### Temperature

Operating Range -40 to +155 deg C

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

## Plotted and Other Data

Notes:

RA 7/16 DIN Male Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 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: [RA 7/16 DIN Male Low PIM Connector Solder Attachment for FM-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 Cable FMCN1701](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-male-spp-250-llpl-spo-250-spf-250-connector-fmcn1701-p.aspx>

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