

SMA Male (Plug) Precision Connector for LL335i Cable, Clamp/Solder

SMA male precision connector with clamp/solder attachment for LL335i, part number FMCN1181, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1.

Fairview's SMA male connector FMCN1181 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 | | 18 | GHz |
| VSWR | | | 1.16:1 | |
| Insertion Loss | | | 0.17 | dB |
| Operating Voltage (AC) | | | 335 | Vrms |

Electrical Specification Notes:
 Insertion loss: $0.04 \times \sqrt{f(\text{GHz})}$ dB max.
 RF leakage: 90 dB min up to 1 GHz.

Mechanical Specifications

| Size | |
|---------------|----------------------------------|
| Length | 1.62 in [41.15 mm] |
| Width/Dia. | 0.62 in [15.75 mm] |
| Weight | 0.071 lbs [32.21 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 7 to 10 in-lbs [0.79 to 1.13 Nm] |

Material Specifications

| Description | Material | Plating |
|--------------|----------------------------|------------------------------------|
| Contact | Beryllium Copper | Gold over Nickel 50 µin minimum |
| Insulation | PTFE | |
| Body | Passivated Stainless Steel | SAE-AMS-2700 |
| Coupling Nut | Passivated Stainless Steel | SAE-AMS-2700 |

Environmental Specifications

| Temperature | |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |



Configuration:

- SMA Male Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- LL335i Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex
- Precision Design

Features:

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.16:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

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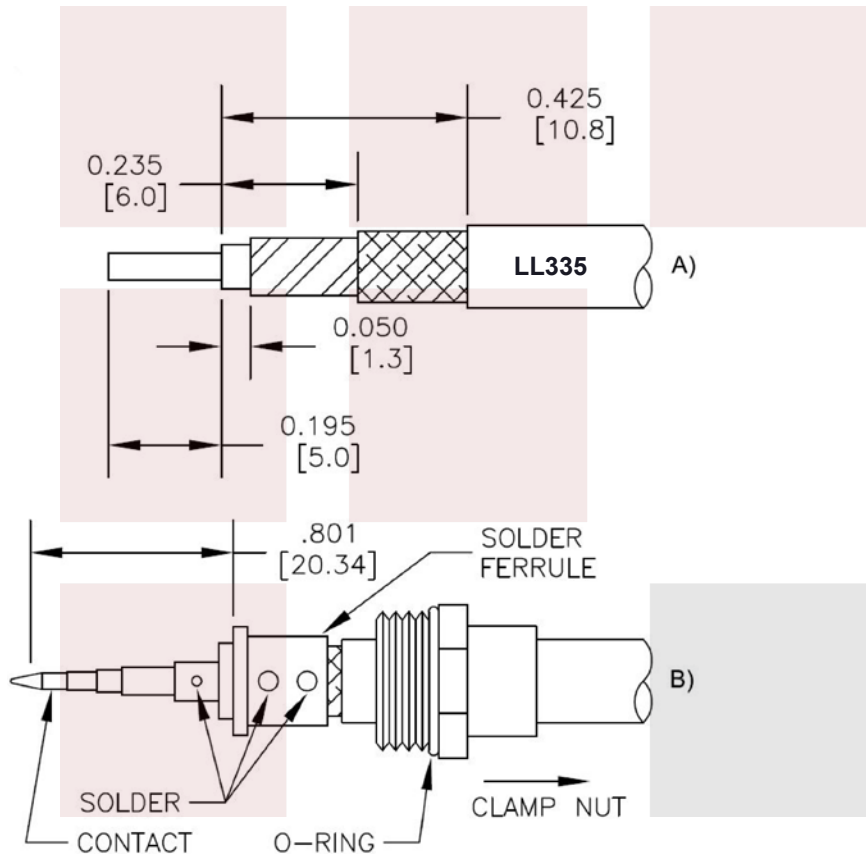
| | |
|---------------|---|
| Humidity | MIL-STD-202, Method 106, No Vibration |
| Shock | MIL-STD-202, Method 213, Condition I |
| Vibration | MIL-STD-202, Method 204, Condition D |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101, Condition B (5%) |

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

Plotted and Other Data

Notes:

Assembly Instruction



ASSEMBLY INSTRUCTION

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK DIELECTRIC.
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN IN (B). INSERT CABLE INTO SOLDER FERRULE UNTIL CABLE DIELECTRIC IS FLUSH WITH FACE OF FERRULE. THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN.
3. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

SMA Male (Plug) Precision Connector for LL335i Cable, Clamp/Solder 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: [SMA Male \(Plug\) Precision Connector for LL335i Cable, Clamp/Solder FMCN1181](#)

URL: <https://www.fairviewmicrowave.com/sma-male-ll335i-connector-fmcn1181-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.



