

RP SMA Male Connector Solder Attachment for FM-SR086ALTN, FM-SR405FL, RG405 Cable

RP SMA male connector with solder/solder attachment for FM-SR086ALTN, FM-SR405FL and RG405, part number FMCN1727, from Fairview Microwave is in-stock and ships same day. Our reverse polarity male configuration uses a male connector body with a female inner contact receptacle. This SMA male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.25:1.

Fairview's RP SMA male connector FMCN1727 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 | | | 1.25:1 | |

Mechanical Specifications

| | |
|---------------|--------------------|
| Size | |
| Length | 0.44 in [11.18 mm] |
| Width/Dia. | 0.31 in [7.87 mm] |
| Height | 0.31 in [7.87 mm] |
| Mating Torque | 5 in-lbs [0.57 Nm] |

Material Specifications

| Description | Material | Plating |
|--------------|-----------------|---------------------|
| Contact | Brass | Gold MIL-G-45204 |
| Insulation | PTFE | |
| Body | Stainless Steel | Gold |
| Coupling Nut | Stainless Steel | Gold |

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

Plotted and Other Data

Notes:



Configuration:

- SMA Male Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR086ALTN, FM-SR405FL, RG405 Interface Type
- Solder/Solder Attachment
- 5/16 in. Hex

Features:

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.25:1
- Reverse Polarity
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Custom Cable Assemblies

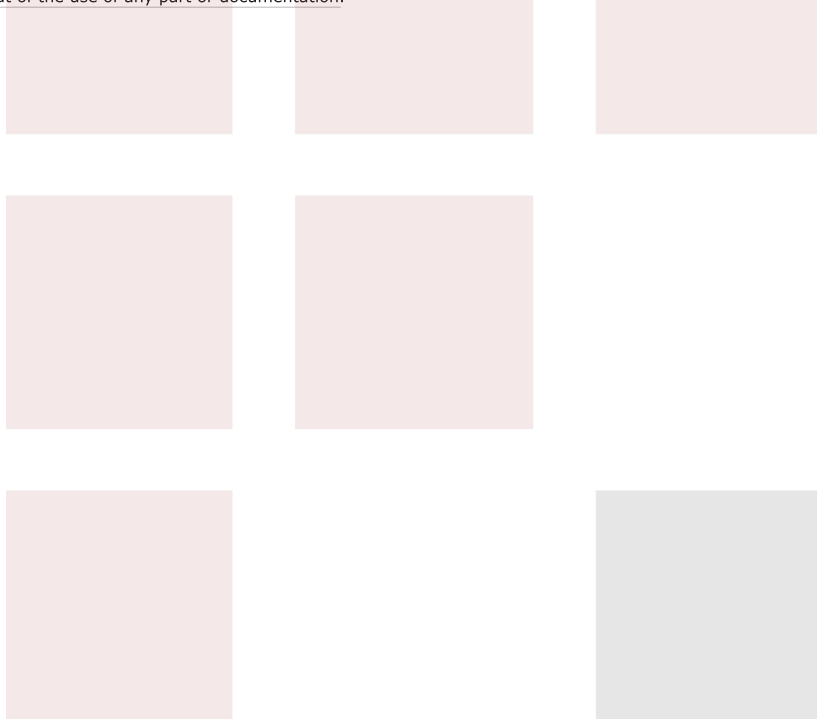
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RP SMA Male Connector Solder Attachment for FM-SR086ALTN, FM-SR405FL, RG405 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

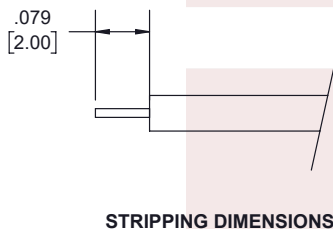
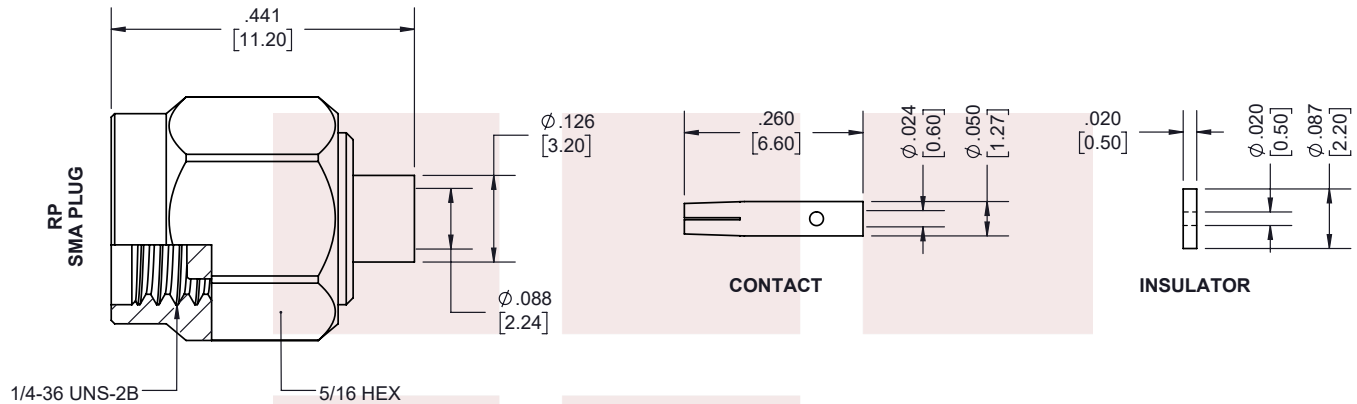
For additional information on this product, please click the following link: [RP SMA Male Connector Solder Attachment for FM-SR086ALTN, FM-SR405FL, RG405 Cable FMCN1727](#)

URL: <https://www.fairviewmicrowave.com/sma-male-reverse-polarity-fm-sr086altn-fm-sr405fl-rg405-connector-fmcn1727-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.

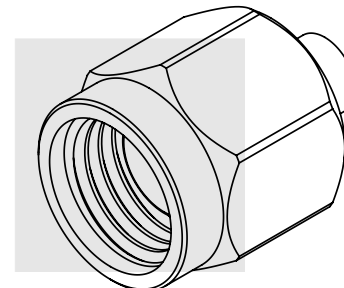


| REVISIONS | | | |
|-----------|-----------------|------------|------------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 10/18/2021 | A. GANWANI |



NOTES:

- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.



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TITLE

RP SMA Male Connector Solder Attachment for FM-SR086ALTN, FM-SR405FL, RG405 Cable

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

| | | |
|-----------------------|-------------|---------------------------------------------|
| .X = ± .02 [.51] | FRACTIONS | L ≤ 12 [305] = +1 [25] / -0 |
| .XX = ± .005 [.13] | ± 1/32 | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 |
| .XXX = ± .005 [.13] | ANGLES ± 1° | 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.

| | | | | |
|-----------|--------------------|--------------------|----------------------|----------|
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY K.DANG | ITEM NO. FMCN1727 | REV A |
|-----------|--------------------|--------------------|----------------------|----------|

THIRD-ANGLE PROJECTION
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SHEET 1 OF 1

SCALE N/A

T-Rev.D