

**Radius RA SMP Female Connector Solder Attachment
 For RG405, RG405 Tinned, .086 SR Cable**

Radius RA SMP female connector with solder/solder attachment for RG405, RG405 Tinned and .086 SR, part number SC5235, from Fairview Microwave is in-stock and ships same day. This SMP female connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated. Its radius right angle body geometry facilitates connections in tight spaces.

Fairview's radius RA SMP female connector SC5235 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.



Configuration:

- SMP Female Connector
- 50 Ohms
- Radius Right Angle Body Geometry
- RG405, RG405 Tinned, .086 SR Interface Type
- Solder/Solder Attachment

Features:

- Operating Frequency of 40 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Custom Cable Assemblies

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|-----|--------|-------|
| Frequency Range | DC | | 40 | GHz |
| VSWR | | | 1.25:1 | |

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.265 in [6.73 mm] |
| Width/Dia. | 0.131 in [3.33 mm] |
| Height | 0.29 in [7.37 mm] |
| Weight | 0.003 lbs [1.36 g] |

Material Specifications

| Description | Material | Plating |
|-----------------|------------------|---------------------|
| Contact | Beryllium Copper | Gold MIL-G-45204 |
| Insulation | PTFE | |
| Outer Conductor | Beryllium Copper | Gold MIL-G-45204 |

Environmental Specifications

| | |
|--------------------|-------------------|
| Temperature | |
| Operating Range | -55 to +125 deg C |

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

Plotted and Other Data

Notes:

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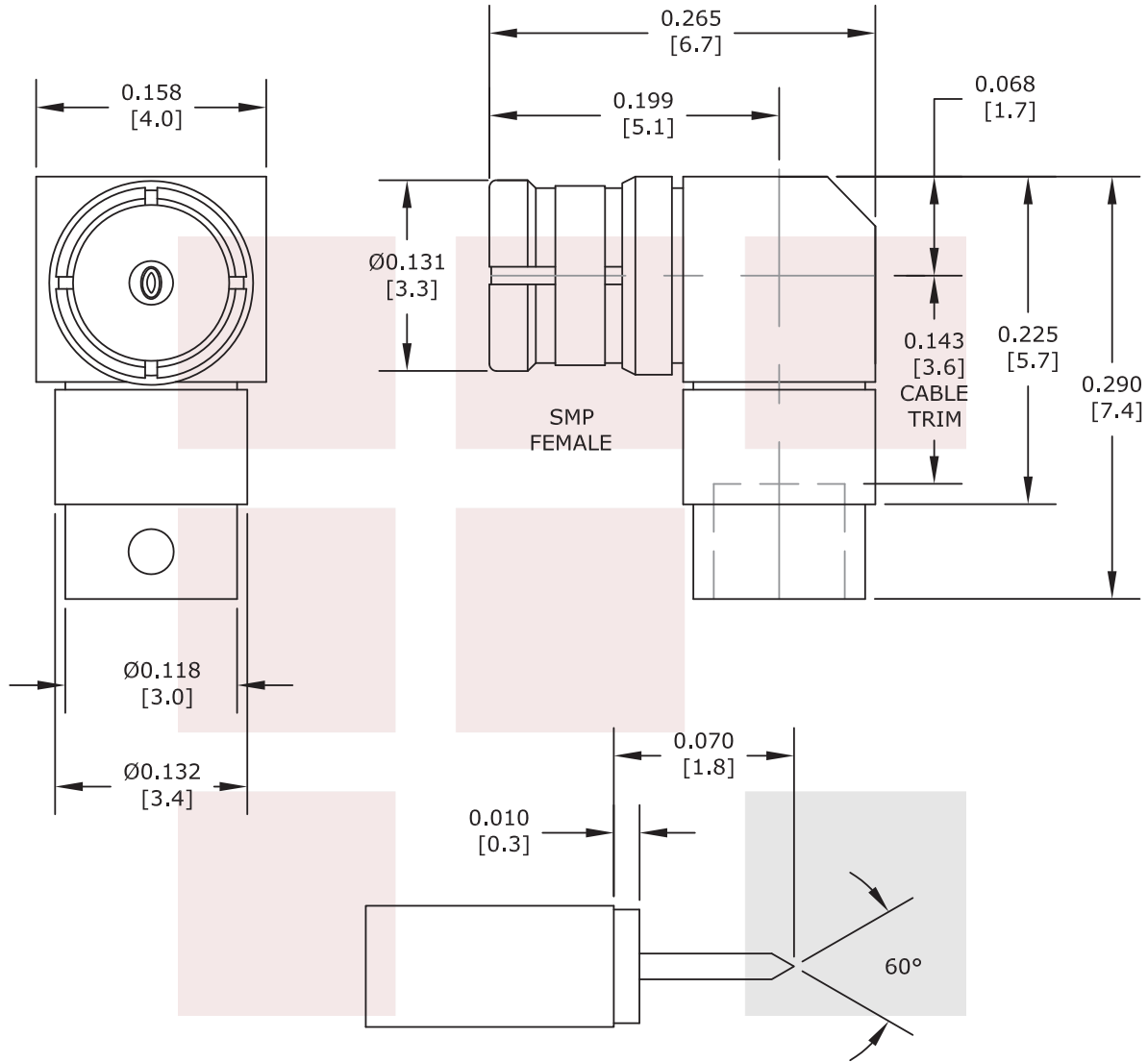
Radius RA SMP Female Connector Solder Attachment For RG405, RG405 Tinned, .086 SR Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Radius RA SMP Female Connector Solder Attachment For RG405, RG405 Tinned, .086 SR Cable SC5235](#)

URL: <https://www.fairviewmicrowave.com/smp-female-standard-rg405-connector-sc5235-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.





STRIPPING DIMENSIONS

| STANDARD TOLERANCES | |
|---------------------|-------|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|---|--------|---|--------------------|-----|--------------|
| FAIRVIEW MICROWAVE INC. 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 Radius RA SMP Female Connector Solder Attachment For RG405, RG405 Tinned, .086 SR Cable | | DWG NO SC5235 | CAGE CODE 3FKR5 | | |
| CAD FILE | 112916 | SHEET | SCALE | N/A | SIZE A 41742 |