

## SMP Female (Jack) Connector For RG405 Cable Up To 8 GHz, Solder



### SC5180

#### Configuration

- SMP Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Solder Method
- Connector Interface Types: RG405

#### Features

- Operating Frequency of 8 GHz Max.
- Excellent VSWR of 1.1:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-DTL-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

SMP Female Standard Connector Solder Attachment for RG405 Cable, part number SC5180, from Fairview Microwave is in-stock and ships same day. This SMP female connector operates up to a maximum frequency of 8 GHz and offers excellent VSWR of 1.1:1. 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.

Fairview's SMP female connector SC5180 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.1:1	
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	0.262 in [6.65 mm]
Width	0.138 in [3.51 mm]
Weight	0.01 lbs [4.54 g]

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#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-DTL-45204
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Beryllium Copper	Gold MIL-DTL-45204

#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +155 deg C
Humidity	MIL-STD-202, Method 106 (except 7b omitted)
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Salt Spray	MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

Notes:

SMP Female (Jack) Connector For RG405 Cable Up To 8 GHz, 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: [SMP Female \(Jack\) Connector For RG405 Cable Up To 8 GHz, Solder SC5180](#)

URL: <https://www.fairviewmicrowave.com/smp-female-standard-rg405-connector-sc5180-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

SC5180 CAD Drawing

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