

**SMA Male Threaded Connector Clamp/Solder Attachment For 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Cable**

SMA male connector with clamp/solder attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A and LMR-100A-FR, part number SC7081, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.35:1.

Fairview's SMA male threaded connector SC7081 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		3	GHz
VSWR			1.35:1	

**Mechanical Specifications**

<b>Size</b>	
Length	0.73 in [18.54 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.015 lbs [6.8 g]
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]

**Material Specifications**

Description	Material	Plating
Insulation	Teflon	
Outer Conductor	Brass	Gold ASTM B488
Body	Steel	Passivated
Coupling Nut	Steel	Passivated

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +125 deg C
Shock	MIL-STD-202, METH. 213 COND I
Vibration	MIL-STD-202, METH. 204 COND D
Altitude	MIL-STD-202, METH. 105 COND C



**Configuration:**

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Clamp/Solder Attachment
- Threaded

**Features:**

- Operating Frequency of 3 GHz Max.
- Good VSWR of 1.35:1

**Applications:**

- General Purpose Test
- Custom Cable Assemblies

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Thermal Shock

MIL-STD-202, METH. 107 COND B

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

**Plotted and Other Data**

Notes:

**Assembly Instruction**

SMA Male Threaded Connector Clamp/Solder Attachment For 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR 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: [SMA Male Threaded Connector Clamp/Solder Attachment For 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Cable SC7081](#)

URL: <https://www.fairviewmicrowave.com/sma-male-standard-connector-sc7081-p.aspx>

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