

2.4mm Male (Plug) Connector For RG405 Cable, Solder, Passivated Stainless Steel Body, Length 0.345 In



**SMC024-0871**

**Configuration**

- 2.4mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG405
- 5/16 inch Hex

**Features**

- Operating Frequency of 50 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50µ in. minimum contact plating

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

2.4mm Male Standard Connector Solder/Solder Attachment for RG405 Cable, part number SMC024-0871, from Fairview Microwave is in-stock and ships same day. This 2.4mm male connector operates up to a maximum frequency of 50 GHz and offers good VSWR of 1.3:1.

Fairview's 2.4mm male connector SMC024-0871 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		50	GHz
VSWR			1.3:1	
Impedance		50		Ohms

**Mechanical Specifications**

**Size**

Length	0.345 in [8.76 mm]
Width	0.312 in [7.92 mm]
Height	0.312 in [7.92 mm]
Weight	0.0101 lbs [4.58 g]
Mating Cycles	500 Cycles
Mating Torque	8 in-lbs [[0.90 Nm]]

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### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50µ in. minimum
Insulation	PPO	
Outer Conductor	Stainless Steel	Passivated
Body	Stainless Steel	Passivated ASTM B689
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

### Environmental Specifications

**Temperature**  
Operating Range -55 to +100 deg C

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

### Plotted and Other Data

Notes:

2.4mm Male (Plug) Connector For RG405 Cable, Solder, Passivated Stainless Steel Body, Length 0.345 In 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.

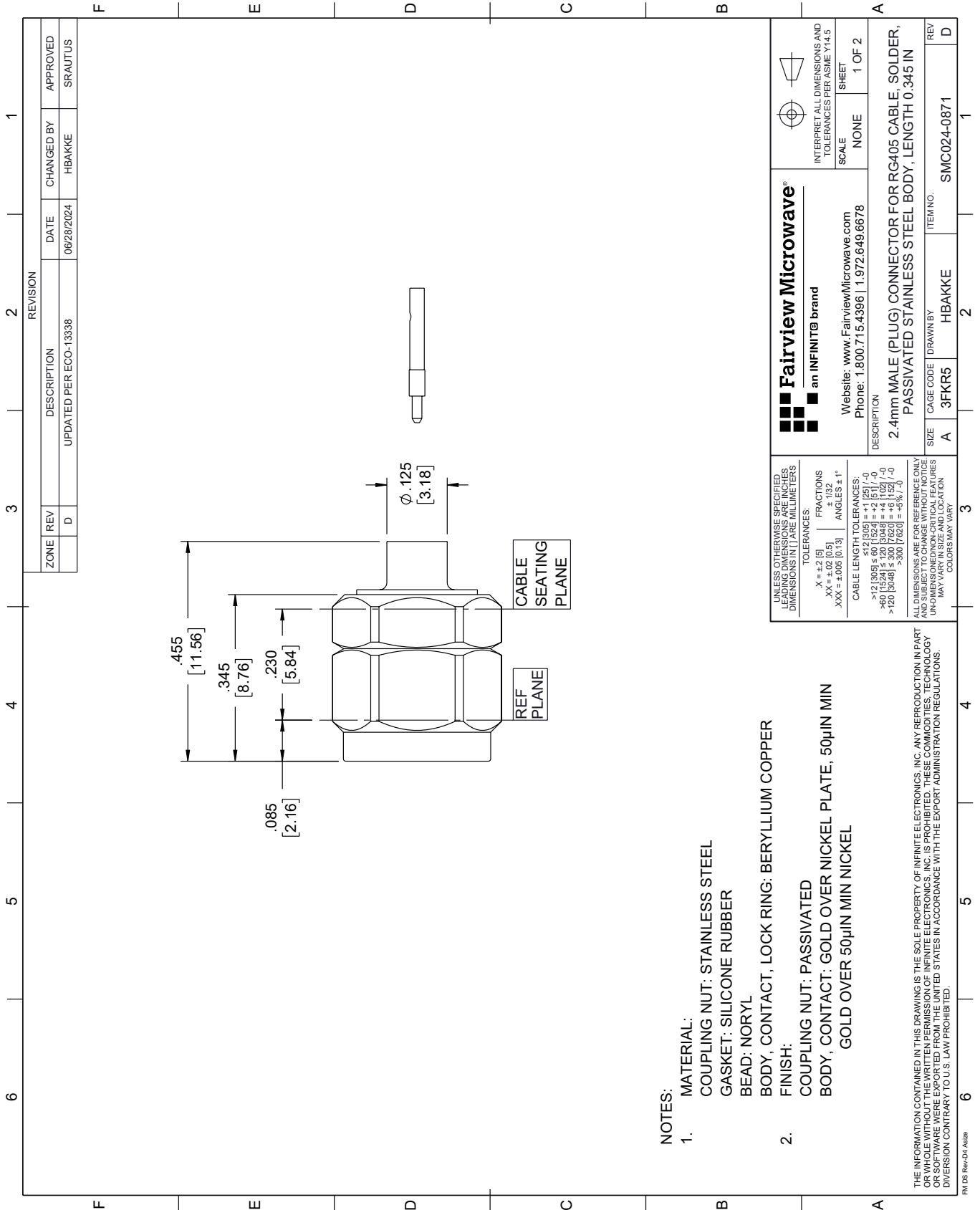
For additional information on this product, please click the following link: [2.4mm Male \(Plug\) Connector For RG405 Cable, Solder, Passivated Stainless Steel Body, Length 0.345 In SMC024-0871](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-male-rg405-connector-smc024-0871-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.

# SMC024-0871 CAD Drawing

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