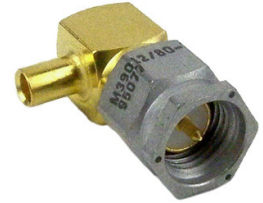


SMA Male Right Angle Connector Solder Attachment for RG405



M39012/80-3007

Configuration

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG405
- 5/16 inch Hex

Features

- General Purpose Test
- Custom Cable Assemblies

Applications

- Operating Frequency of 12.4 GHz Max
- Excellent VSWR of 1.22:1
- Gold Plated Beryllium Copper Contact
- Contact Plating According to MIL-G-45204

Description

Pasternack's M39012/80-3007 SMA male connector is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.22:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector M39012/80-3007 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.22:1	
Insertion Loss			0.18	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage @ 5 MHz			670	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.738 in [18.75 mm]
Width	0.95 in [24.13 mm]
Height	0.312 in [7.92 mm]
Weight	0.06 lbs [27.22 g]

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M39012/80-3007

Mating Cycles	500 Cycles
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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Stainless Steel	Gold MIL-G-45204
Coupling Nut	Passivated Stainless Steel	

Environmental Specifications

Temperature	
Operating Range	-65 to +105 deg C
Shock	MIL-STD-202 Method 213 Condition I
Vibration	MIL-STD-202 Method 204 Condition D
Altitude	MIL-STD-202 Method 106 Condition C (70,000 ft) (250 VRMS)
Temperature Cycle	MIL-STD-202 Method 107 Condition B (-65°C to 115°C)
Salt Spray	MIL-STD-202 Method 101 Condition B

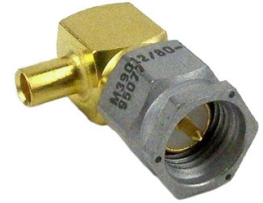
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

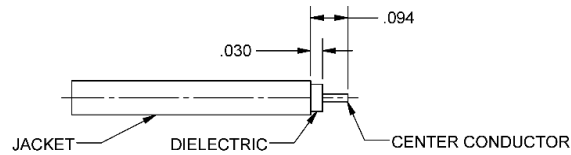
Notes:

SMA Male Right Angle Connector Solder Attachment for RG405

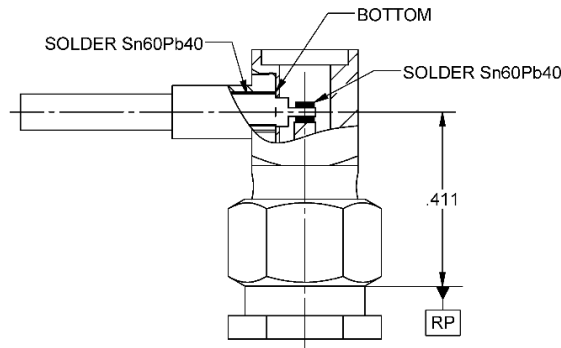
M39012/80-3007



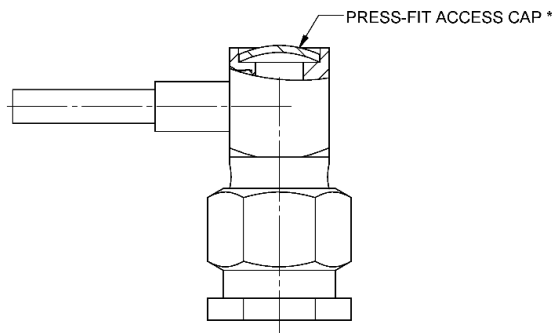
Assembly Instruction



- 1) Trim insulator and jacket to dimensions shown.
Be careful not to nick the center conductor.
NOTE:
To minimize cable dielectric growth during
Soldering operation, normalize cable thermal cycle
Per MIL-DTL-17 prior to final trim.

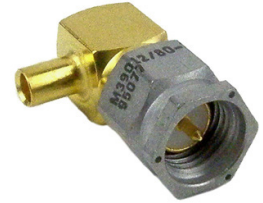


- 2) Assemble cable into connector assembly, ensure center conductor is positioned into contact slot and ensure cable jacket is bottomed in body.
Solder cable to connector using sn60pb40 solder.
Solder center conductor to contact using sn60pb40 solder.



- 3) Assemble access cap and press in place.
*Gold plated caps may be soldered using sn60pb40 solder.

SMA Male Right Angle Connector Solder Attachment for RG405



M39012/80-3007

SMA Male Right Angle Connector Solder Attachment for RG405 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Solder Attachment for RG405 M39012/80-3007](https://www.pasternack.com/sma-male-rg405-connector-m39012-80-3007-p.aspx)

URL: <https://www.pasternack.com/sma-male-rg405-connector-m39012-80-3007-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

M39012/80-3007 CAD Drawing

SMA Male Right Angle Connector Solder Attachment for RG405

