



# RF Connectors Technical Data Sheet

ET11642

# Configuration

- SSMC Plug Connector
- 50 Ohms
- Straight Body Geometry

#### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.38:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling

- ET38321, ET38322, ET38323, ET-SR405TN, ET-RG405 Interface Type
- Clamp/Solder Attachment
- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

# Applications

- General Purpose Test
- Custom Cable Assemblies
- Avionics

- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

### Description

Ebeestock's ET11642 SSMC plug connector with clamp/solder attachment for ET38321, ET38322, ET38323, ET38340 and ET-RG405 is part of our full line of RF components available for same-day shipping. Our SSMC plug connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.38:1.

Our SSMC plug connector ET11642 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock'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, Ebeestock has the right connector for the job. Ebeestock 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			1.38:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage			400	Vrms
5 MHz				
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	1,000			MOhms
RF Leakage	-50			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SSMC Plug Connector Clamp/Solder Attachment for ET38321, ET38322, ET-SR- 405FLJ, ET38340, ET-RG405 ET11642

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.





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### Mechanical Specifications

Size

Length 0.53 in [13.46 mm] Width/Dia. 0.156 in [3.96 mm]

Mating Cycles 500 Cycles

1.75 to 2 in-lbs [0.20 to 0.23 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Teflon	
Body	Beryllium Copper	Gold MIL-G-45204
Coupling Nut	Beryllium Copper	Gold MIL-G-45204

#### **Environmental Specifications**

Temperature

Operating Range -65 to +165 deg C

Shock Method 213, Condition B, 75G @6ms @1/2 sine

Vibration Method 204, Condition D (20G)

Salt Spray Method 101, Condition B, 5% salt solution

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

# Plotted and Other Data

Notes

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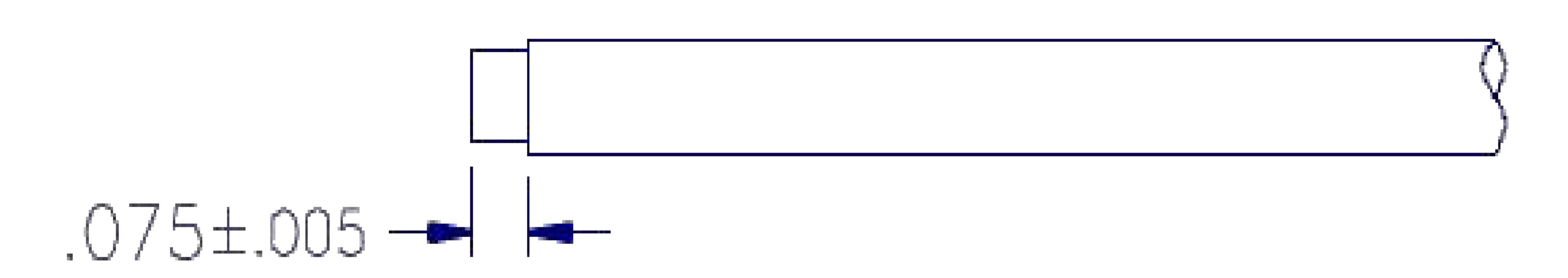


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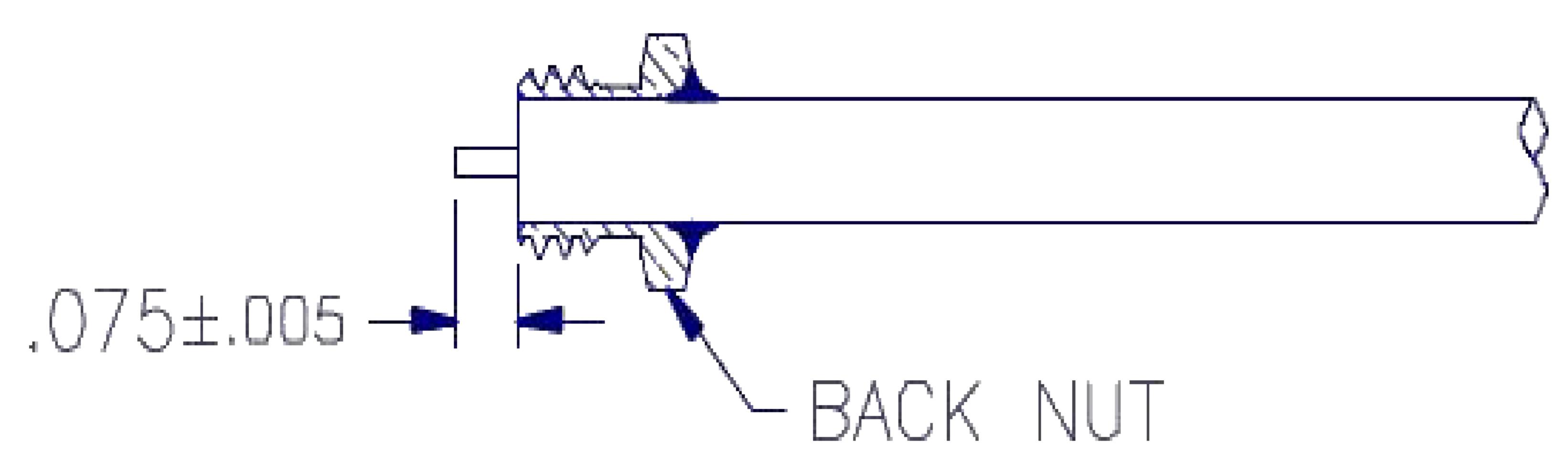
ET11642

#### Assembly Instruction

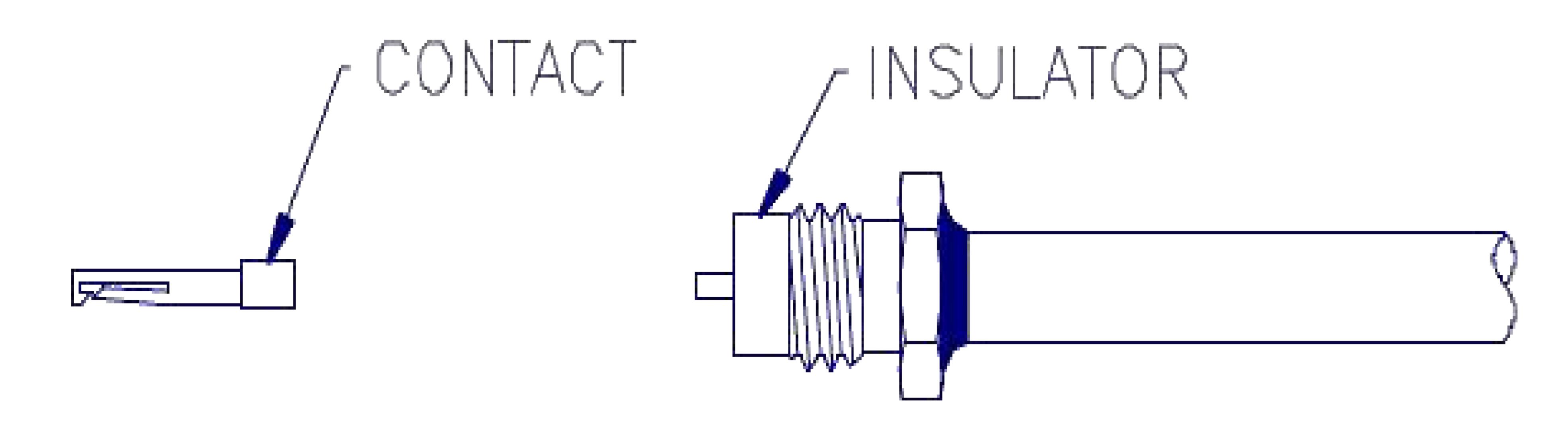
# Assembly Instructions



1. TRIM CABLE JACKET ONLY, AS SHOWNABOVE.



- 2. SLIDE BACK NUT ONTO CABLE UNTIL TRIMMED END OF JACKET IS FLUSH WITH FRONT OF NUT. SOLDER NUT TO CABLE.
- 3. TRIM DIELECTRIC AS SHOWN.



- 4. INSTALL INSULATOR OVER CABLE CENTER CONDUCTOR.
- 5. SOLDER CONTACT TO CENTER CONDUCTOR.
- 6. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN TO 35-45 INCHOUNCES TORQUE.

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SSMC Plug Connector Clamp/Solder Attachment for ET38321, ET38322, ET38323, ET38340, ET-RG405 from Ebeestock 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: SSMC Plug Connector Clamp/Solder Attachment for ET38321, ET38322, ET38323, ET38340, ET-RG405 ET11642

**URL:** https://www.ebeestock.com/ssmc-plug-connector-clamp-solder-attachment-for-pe-sr405al-pe-sr 405fl-pe-sr405flj-pe-sr405tn-rg405-0011642

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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