



75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle  
Cable 12 Inch Length Using 75 Ohm RG179 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE34689LF-12

**Configuration**

- Connector 1: Mini SMB Plug
- Connector 2: Mini SMB Plug Right Angle
- Cable Type: RG179

**Features**

- FEP Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE34689LF-12 75 ohm Mini SMB plug to 75 ohm Mini SMB plug right angle 12 inch cable using 75 ohm RG179 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack Mini SMB to Mini SMB cable assembly has a plug to plug gender configuration with 75 ohm flexible RG179 coax. The right angle Mini SMB interface on the RG179 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

**Electrical Specifications**

| Description | Minimum | Typical    | Maximum | Units        |
|-------------|---------|------------|---------|--------------|
| Capacitance |         | 23 [75.46] |         | pF/ft [pF/m] |

**Mechanical Specifications**

**Cable Assembly**

|          |                     |
|----------|---------------------|
| Length*  | 12 in [304.8 mm]    |
| Diameter | 0.305 in [7.75 mm]  |
| Weight   | 0.031 lbs [14.06 g] |

**Cable**

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG179                     |
| Impedance                            | 75 Ohms                   |
| Inner Conductor Type                 | Stranded                  |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle Cable 12 Inch Length Using 75 Ohm RG179 Coax, RoHS PE34689LF-12](#)



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Shield Layer 1  
Jacket Material  
Jacket Diameter

Silver Plated Copper Braid  
FEP, Tan  
0.1 in [2.54 mm]

**Connectors**

| Description                   | Connector 1            | Connector 2               |
|-------------------------------|------------------------|---------------------------|
| Type                          | Mini SMB Plug          | Mini SMB Plug Right Angle |
| Impedance                     | 75 Ohms                | 75 Ohms                   |
| Contact Material and Plating  | Beryllium Copper, Gold | Beryllium Copper, Gold    |
| Contact Plating Specification | 30μ in. minimum        | 30μ in. minimum           |
| Dielectric Type               | Teflon                 | Teflon                    |
| Body Material and Plating     | Brass, Nickel          | Brass, Nickel             |
| Body Plating Specification    | 100μ in. minimum       | 100μ in. minimum          |

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**How to Order**

Part Number Configuration:

**PE34689LF - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE34689LF-12 = 12 inches long cable  
PE34689LF-100cm = 100 cm long cable

75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle Cable 12 Inch Length Using 75 Ohm RG179 Coax, RoHS 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: [75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle Cable 12 Inch Length Using 75 Ohm RG179 Coax, RoHS PE34689LF-12](https://www.pasternack.com/mini-smb-plug-mini-smb-plug-rg179bu-cable-assembly-pe34689lf-12-p.aspx)

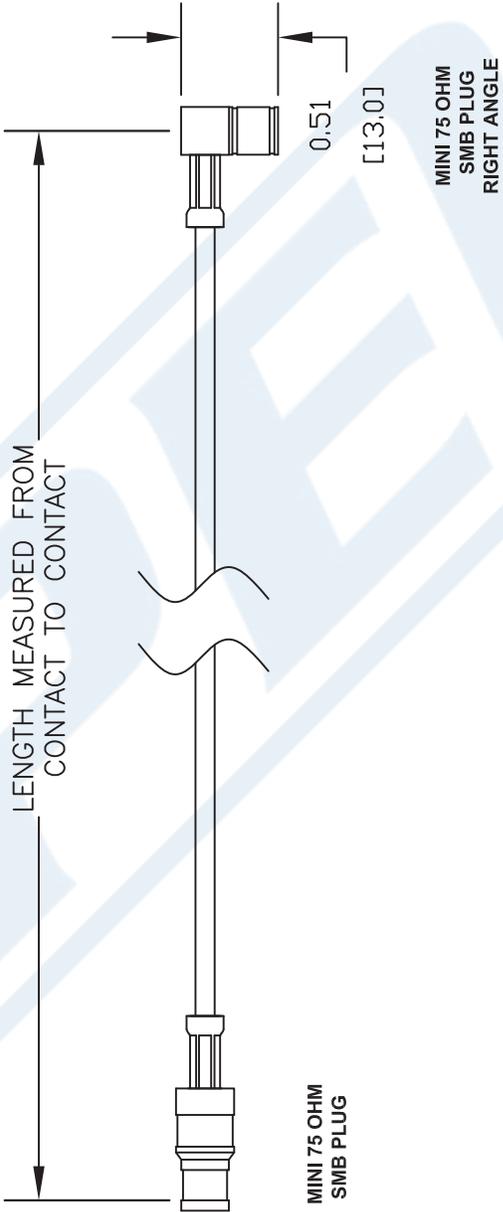
URL: <https://www.pasternack.com/mini-smb-plug-mini-smb-plug-rg179bu-cable-assembly-pe34689lf-12-p.aspx>

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

# PE34689LF-12 CAD Drawing

75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle  
Cable 12 Inch Length Using 75 Ohm RG179 Coax, RoHS

| Standard Lengths |                         |
|------------------|-------------------------|
| -12              | 12"                     |
| -24              | 24"                     |
| -36              | 36"                     |
| -48              | 48"                     |
| -60              | 60"                     |
| -XXX             | Custom Length in Inches |



NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES (mm).  
 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE34689LF-XX**

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|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 020408 | SCALE N/A | SIZE A | 127 |
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