



## 75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle Cable Using 75 Ohm RG179 Coax

### RF Cable Assemblies Technical Data Sheet

PE34689

#### 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 PE34689 75 ohm Mini SMB plug to 75 ohm Mini SMB plug right angle 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

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  
 Shield Layer 1 Silver Plated Copper Braid

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 Using 75 Ohm RG179 Coax PE34689](#)



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Jacket Material FEP, Tan  
Jacket Diameter 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:

**PE34689**

- **xx**

**uu**

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

Example: PE34689-12 = 12 inches long cable  
PE34689-100cm = 100 cm long cable

75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug Right Angle Cable Using 75 Ohm RG179 Coax 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.

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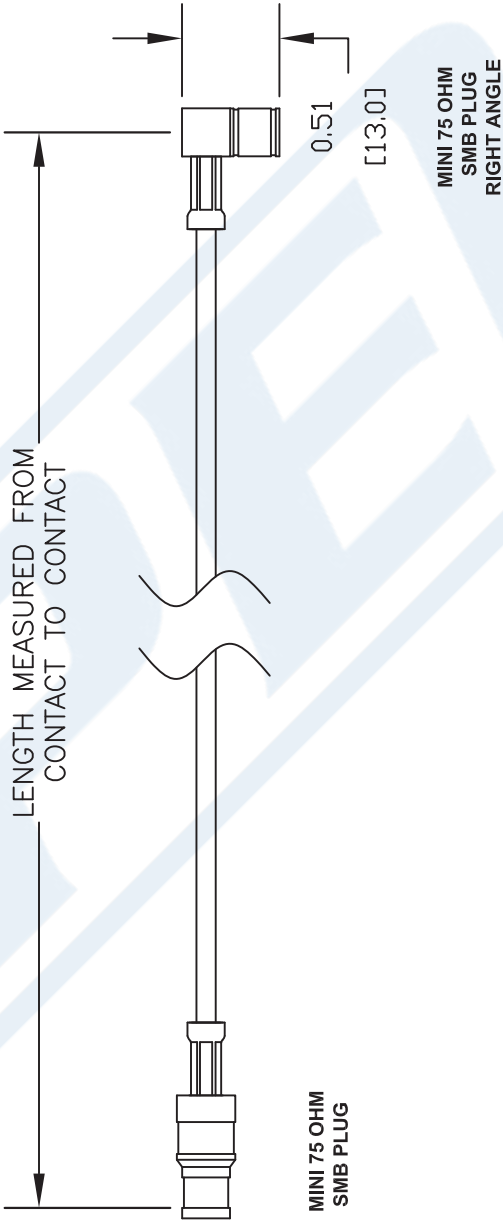
URL: <https://www.pasternack.com/mini-smb-plug-mini-smb-plug-rg179bu-cable-assembly-pe34689-p.aspx>

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.

# PE34689 CAD Drawing

75 Ohm Mini SMB Plug to 75 Ohm Mini SMB Plug  
Right Angle Cable Using 75 Ohm RG179 Coax

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



DWG TITLE

**PE34689-XX**

- 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.

REV. A

FSCM NO. 53919

CAD FILE 020408

SCALE N/A

SIZE A

127



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