



## SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS

### TECHNICAL DATA SHEET

PE39421

Pasternack's formable cable assemblies are hand formable semi-rigid replacements that are an alternative to costly preformed assemblies. The formable semi-rigid cable alternatives are dimensionally and electrically similar to their semi-rigid counterpart and have a tinned-copper-braid outer shield that provides excellent RF shielding. The hand formable cable assemblies from Pasternack do not require special tooling to shape or reshape the assemblies and can replace standard semi-rigid versions. The assemblies are available with or without a FEP jacket and are RoHS compliant,

#### Features

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

#### Configuration

Connector 1  
Connector 2  
Cable Type

SMA Female Bulkhead  
MCX Plug Right Angle  
PE-SR405FL

#### Electrical Specifications

Frequency Range  
Impedance  
Velocity of Propagation

DC to 6 GHz  
50 Ohms  
69.5 %

#### Performance by Frequency

##### Frequency 1

Frequency  
Insertion Loss

250 MHz  
0.256 dB/ft [0.84 dB/m]

##### Frequency 2

Frequency  
Insertion Loss

500 MHz  
0.313 dB/ft [1.03 dB/m]

##### Frequency 3

Frequency  
Insertion Loss

1000 MHz  
0.425 dB/ft [1.39 dB/m]

##### Frequency 4

Frequency  
Insertion Loss

2.5 GHz  
0.547 dB/ft [1.79 dB/m]

##### Frequency 5

Frequency  
Insertion Loss

6 GHz  
0.802 dB/ft [2.63 dB/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS PE39421](#)



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**Mechanical Specifications**

**Size**

**Cable**

Cable Type	PE-SR405FL
Inner Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	1
Dielectric Type	PTFE

**Connector 1**

Type	SMA Female Bulkhead
Configuration	Straight
Mount Method	Bulkhead
Inner Conductor Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Brass, Gold
Dielectric Type	PTFE

**Connector 2**

Type	MCX Plug Right Angle
Configuration	Right Angle
Inner Conductor Material and Plating	Brass, Gold
Body Material and Plating	Brass, Gold
Dielectric Type	PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
REACH Compliant	12/15/2010

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

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**How to Order**

Part Number Configuration:

**PE39421**

- xx

uu

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

Example: PE39421-12 = 12 inches long cable  
PE39421-100cm = 100 cm long cable

SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

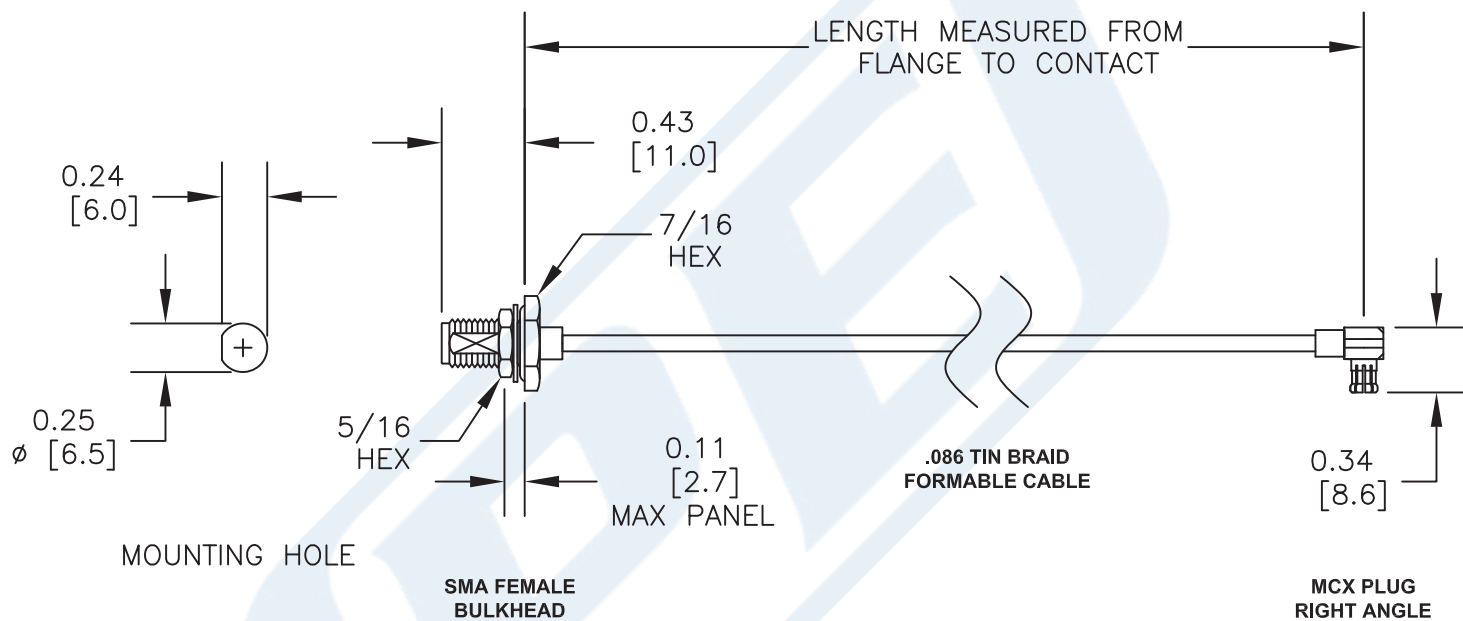
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

# PE39421 CAD Drawing

SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible  
Precision Cable Using PE-SR405FL Coax, RoHS



Note: This part is lead free.



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#### 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

**PE39421**

FSCM NO. 53919

CAD FILE

012015

SCALE N/A

SIZE A

2233