



SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible
Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS

TECHNICAL DATA SHEET

PE39421-12

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 DC to 6 GHz
Impedance 50 Ohms
Velocity of Propagation 69.5 %

Performance by Frequency

Frequency 1

Frequency 250 MHz
Insertion Loss 0.256 dB

Frequency 2

Frequency 500 MHz
Insertion Loss 0.313 dB

Frequency 3

Frequency 1000 MHz
Insertion Loss 0.425 dB

Frequency 4

Frequency 2.5 GHz
Insertion Loss 0.547 dB

Frequency 5

Frequency 6 GHz
Insertion Loss 0.802 dB

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 12 Inch Length Using PE-SR405FL Coax, RoHS PE39421-12](#)



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Mechanical Specifications

Size

Length 12 in [304.8 mm]

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 for current document)

RoHS Compliant Yes
REACH Compliant 06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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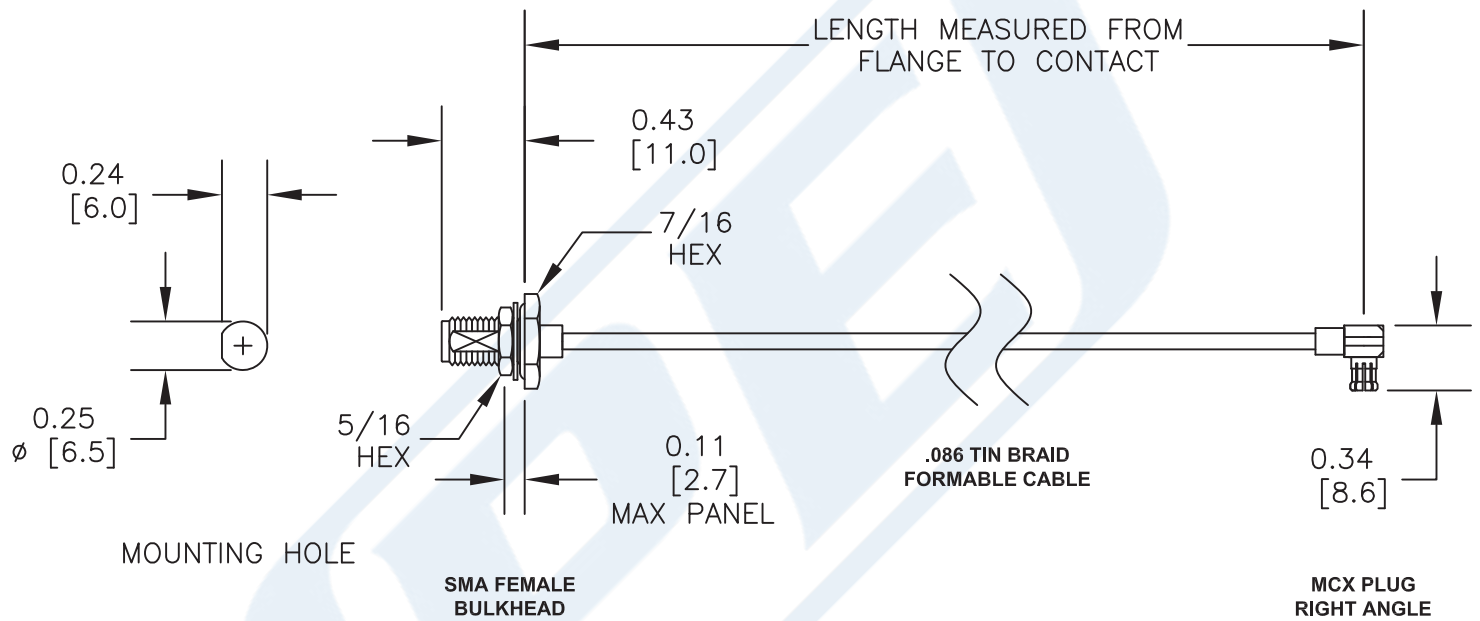
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REGISTERED FIRM

PE39421-12 CAD Drawing

SMA Female Bulkhead to MCX Plug Right Angle Semi-Flexible Precision
Cable 12 Inch Length 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