



SMA Male to SMA Female Bulkhead Semi-Flexible
Precision Cable Using PE-SR405FLJ Coax, RoHS

TECHNICAL DATA SHEET

PE39433

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 Male
SMA Female Bulkhead
PE-SR405FLJ

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Velocity of Propagation	69.5 %
Group Delay	1.43 ns/ft [4.69 ns/m]
RF Shielding	100 dB

Performance by Frequency

Frequency 1

Frequency	1000 MHz
Insertion Loss	0.395 dB/ft [1.30 dB/m]

Frequency 2

Frequency	2 GHz
Insertion Loss	0.461 dB/ft [1.51 dB/m]

Frequency 3

Frequency	4.5 GHz
Insertion Loss	0.627 dB/ft [2.06 dB/m]

Frequency 4

Frequency	9 GHz
Insertion Loss	0.834 dB/ft [2.74 dB/m]

Frequency 5

Frequency	18 GHz
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FLJ Coax, RoHS PE39433](#)



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Insertion Loss

1.138 dB/ft [3.73 dB/m]

Mechanical Specifications

Size

Diameter

0.433 in [11 mm]

Cable Color

Black

One Time Minimum Bend Radius

0.236 in [5.99 mm]

Repeated Minimum Bend Radius

0.787 in [19.99 mm]

Cable

Cable Type

PE-SR405FLJ

Inner Conductor Type

Solid

Cable Inner Conductor

Copper Clad Steel, Silver

No of Shields

1

Dielectric Type

PTFE

Jacket Material

FEP

Jacket Diameter

0.098 in [2.49 mm]

Connector 1

Type

SMA Male

Configuration

Straight

Inner Conductor Material and Plating

Brass, Gold

Coupling Nut Material and Plating

Passivated Stainless Steel

Hex Size

5/16 in.

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Brass, Gold

Dielectric Type

PTFE

Connector 2

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

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

REACH Compliant

12/15/2010

Plotted and Other Data

Notes:

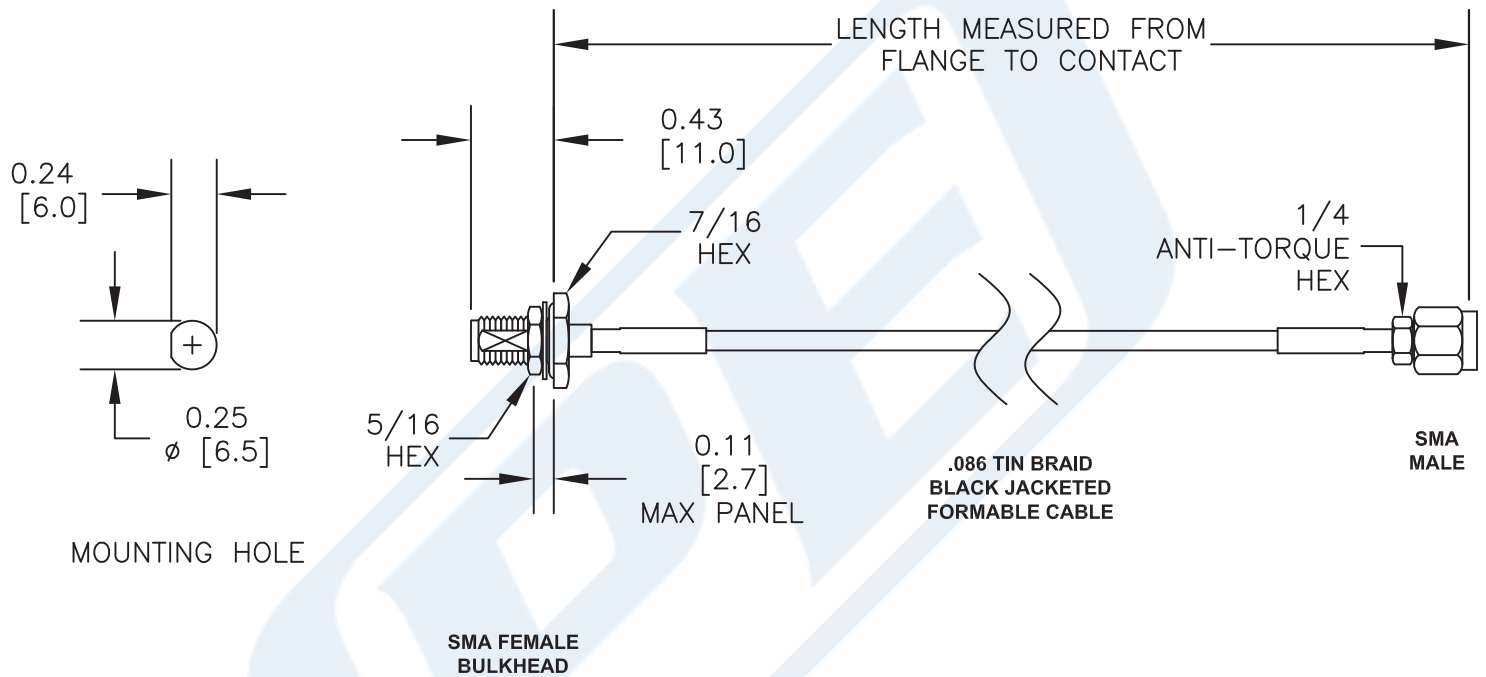
- Values at +25 °C, sea level

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PE39433

PE39433 CAD Drawing

SMA Male to SMA Female Bulkhead Semi-Flexible Precision
Cable Using PE-SR405FLJ 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

PE39433

FSCM NO. 53919

CAD FILE

012015

SCALE N/A

SIZE A

2233