

## Q JACK

## SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FLJ Coax, RoHS

#### **TECHNICAL DATA SHEET**

PE39441-18

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 SMA Male

Connector 2 SMA Female Bulkhead

Cable Type PE-SR402FLJ

#### **Electrical Specifications**

Frequency Range DC to 18 GHz Impedance 50 Ohms Velocity of Propagation 70 %

Group Delay 1.43 ns/ft [4.69 ns/m]

RF Shielding 100 dB

#### Performance by Frequency

### Frequency 1

Frequency 1000 MHz Insertion Loss 0.378 dB

#### Frequency 2

Frequency 2 GHz
Insertion Loss 0.439 dB

#### Frequency 3

Frequency 4.5 GHz Insertion Loss 0.59 dB

### Frequency 4

Frequency 9 GHz Insertion Loss 0.789 dB

#### Frequency 5

Frequency 18 GHz

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 18 Inch Length Using PE-SR402FLJ Coax, RoHS PE39441-18

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ISO 9001: 2008 Registered



# CANACK MACK

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Insertion Loss 1.094 dB

**Mechanical Specifications** 

Size

Length 18 in [457.2 mm]
Diameter 0.433 in [11 mm]

Cable Color Black

One Time Minimum Bend Radius 0.315 in [8 mm]
Repeated Minimum Bend Radius 1.575 in [40.01 mm]

Cable

Cable Type PE-SR402FLJ

Inner Conductor Type Solid

Cable Inner Conductor Copper Clad Steel, Silver

No of Shields 1
Dielectric Type PTFE
Jacket Material FEP

Jacket Diameter 0.161 in [4.09 mm]

Connector 1

Type SMA Male Configuration Straight

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

**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 06/18/2012

TEXT Compliant

**Plotted and Other Data** 

Notes:

• Values at +25 °C, sea level

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#### **How to Order**



Example: PE39441-18-12 = 12 inches long cable PE39441-18-100cm = 100 cm long cable

SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FLJ 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.

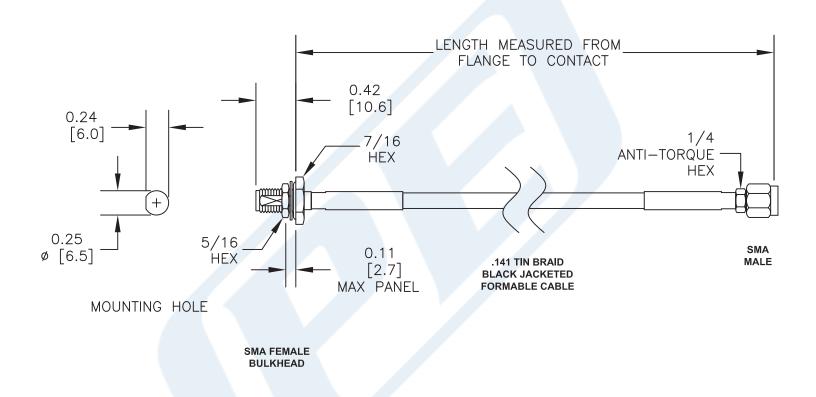
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URL: http://www.pasternack.com/sma-male-sma-female-pe-sr402flj-cable-assembly-pe39441-18-p.aspx

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.



**PE39441-18 CAD Drawing**SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FLJ Coax, RoHS



Note: This part is lead free.

