



SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet

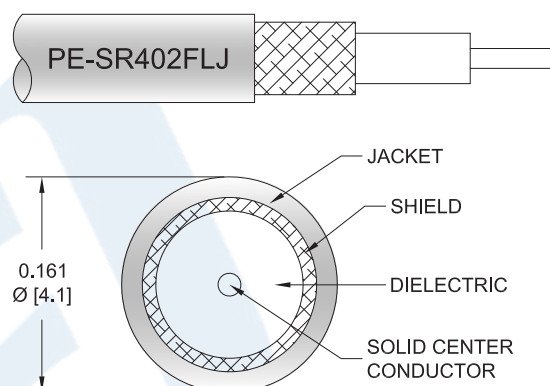
PE39470-12

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: N Female Bulkhead
- Cable Type: PE-SR402FLJ

Features

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket
- 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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39470-12 SMA male right angle to type N female bulkhead 12 inch cable using PE-SR402FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to type N cable assembly has a male to female gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE39470-12 SMA male to type N female cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR402FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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,

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS PE39470-12](#)



SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet

PE39470-12

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 10 | GHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 70 | | % |
| RF Shielding | 100 | | | dB |
| Group Delay | | 1.43 [4.69] | | ns/ft [ns/m] |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|------|-------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 10 | GHz |
| Insertion Loss (Typ.) | 0.279 | 0.319 | 0.379 | 0.48 | 0.621 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------|---------------------|
| Length* | 12 in [304.8 mm] |
| Diameter | 0.866 in [22 mm] |
| Weight | 0.123 lbs [55.79 g] |

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | PE-SR402FLJ |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Tinned Copper Braid |
| Jacket Material | FEP, Black |
| Jacket Diameter | 0.161 in [4.09 mm] |
| One Time Minimum Bend Radius | 0.315 in [8 mm] |
| Repeated Minimum Bend Radius | 1.575 in [40.01 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS PE39470-12](#)



SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet

PE39470-12

Connectors

| Description | Connector 1 | Connector 2 |
|-----------------------------------|----------------------------|-----------------------|
| Type | SMA Male Right Angle | N Female Bulkhead |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Phosphor Bronze, Gold |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Gold | Brass, Nickel |
| Coupling Nut Material and Plating | Passivated Stainless Steel | |
| Hex Size | 5/16 in. | |
| Torque | 8 in-lbs [0.9 Nm] | |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS PE39470-12](#)



SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet

PE39470-12

How to Order

Part Number Configuration:

PE39470

- **xx**

uu

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

Example: PE39470-12 = 12 inches long cable
PE39470-100cm = 100 cm long cable

SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS 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.

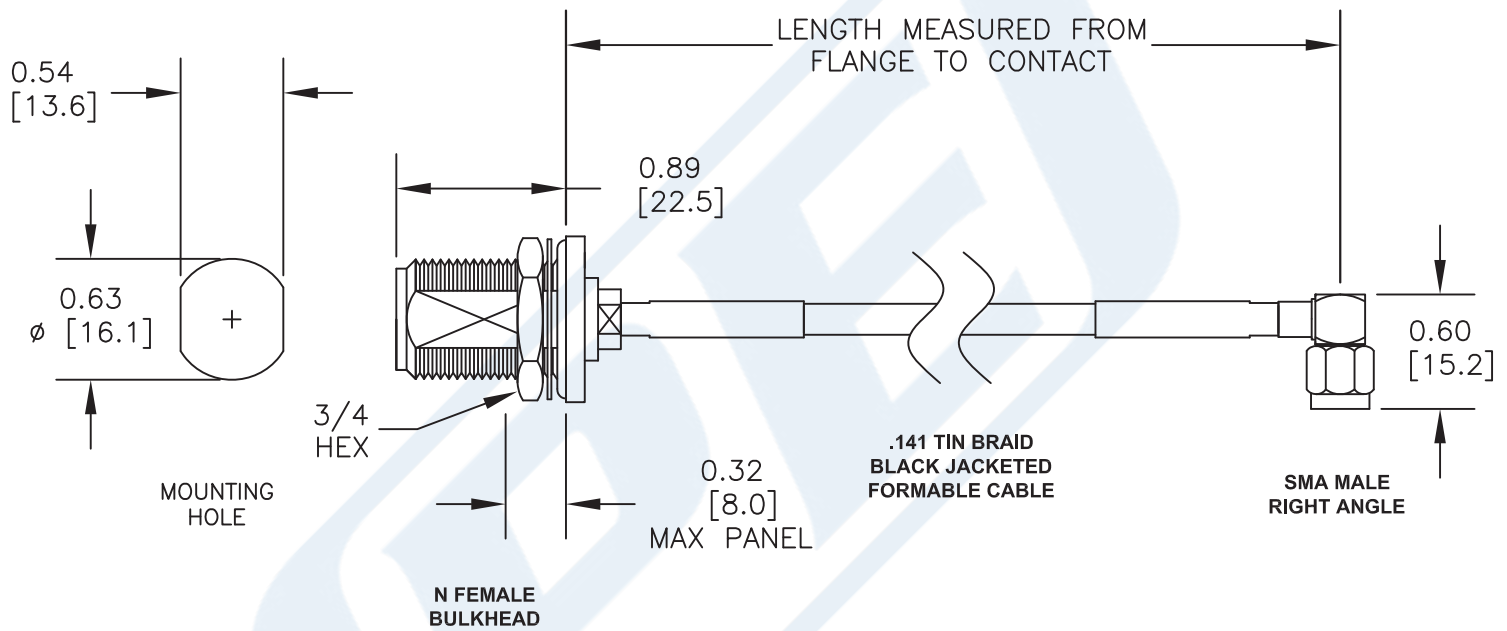
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS PE39470-12](https://www.pasternack.com/sma-male-n-female-pe-sr402flj-cable-assembly-pe39470-12-p.aspx)

URL: <https://www.pasternack.com/sma-male-n-female-pe-sr402flj-cable-assembly-pe39470-12-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.

PE39470-12 CAD Drawing

SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision
Cable 12 Inch Length Using PE-SR402FLJ Coax, LF Solder, RoHS



Note: This part is lead free.



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

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

PE39470

FSCM NO. 53919

CAD FILE

012215

SCALE N/A

SIZE A

2233