



SMA Female Bulkhead to SMA Female Bulkhead Cable Using PE-SR401AL Coax

RF Cable Assemblies Technical Data Sheet

PE3764

Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR401AL-STRAIGHT

Features

- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3764 SMA female bulkhead to SMA female bulkhead cable using PE-SR401AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack SMA to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid PE-SR401AL-STRAIGHT coax. Our RF cable assembly with SMA 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.

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.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------|---------|-------|
| Velocity of Propagation | | 69.5 | | % |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|------|------|------|-------|
| Frequency | 0.4 | 1 | 5 | 10 | 18 | GHz |
| Insertion Loss (Typ.) | 0.045 | 0.075 | 0.22 | 0.33 | 0.48 | dB/ft |
| | 0.15 | 0.25 | 0.72 | 1.08 | 1.57 | |

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

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 SMA Female Bulkhead Cable Using PE-SR401AL Coax PE3764](#)



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Mechanical Specifications

Cable Assembly

Weight 0.026 lbs [11.79 g]

Cable

Cable Type PE-SR401AL-STRAIGHT

Impedance 50 Ohms

Inner Conductor Type Solid

Inner Conductor Material and Plating Copper, Silver

Dielectric Type PTFE

Number of Shields 1

Outer Conductor Material and Plating Aluminum, Tin

Repeated Minimum Bend Radius 0.75 in [19.05 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------|---------------------|---------------------|
| Type | SMA Female Bulkhead | SMA Female Bulkhead |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Gold | Gold |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Gold | Brass, Gold |

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

Plotted and Other Data

Notes:

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 SMA Female Bulkhead Cable Using PE-SR401AL Coax PE3764](#)



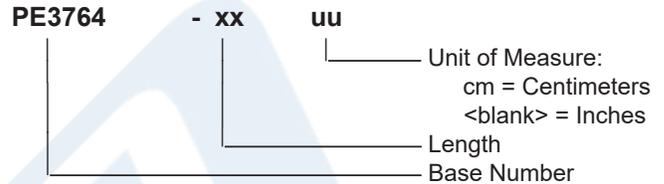
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How to Order

Part Number Configuration:



Example: PE3764-12 = 12 inches long cable
PE3764-100cm = 100 cm long cable

SMA Female Bulkhead to SMA Female Bulkhead Cable Using PE-SR401AL Coax 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 Female Bulkhead to SMA Female Bulkhead Cable Using PE-SR401AL Coax PE3764](#)

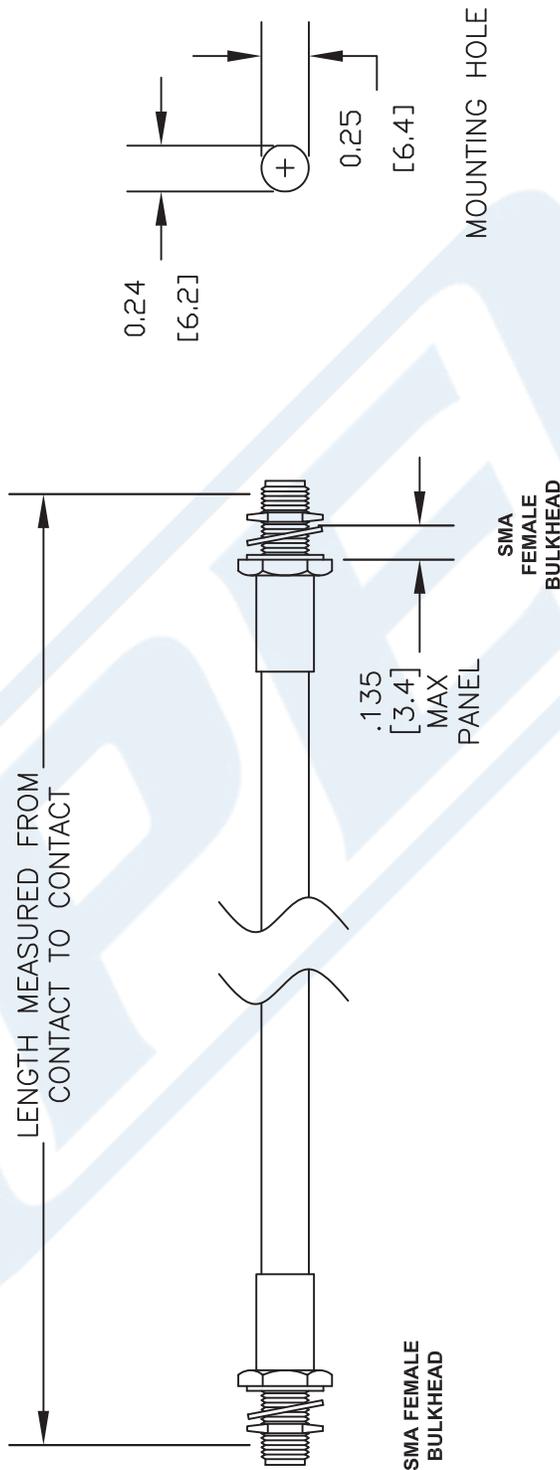
URL: <https://www.pasternack.com/sma-female-bulkhead-to-sma-female-bulkhead-cable-using-pe-sr401al-pe3764-p.aspx>

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.

PE3764 CAD Drawing

SMA Female Bulkhead to SMA Female Bulkhead Cable Using PE-SR401AL Coax

| Standard Lengths | |
|------------------|-------------------------|
| -12 | 12" |
| -24 | 24" |
| -36 | 36" |
| -48 | 48" |
| -60 | 60" |
| -XXX | Custom Length in Inches |



DWG TITLE

PE3764-XX

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.

REV. -

FSCM NO. 53919

CAD FILE 042109

SCALE N/A

SIZE A

127



PASTERNAK®
 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