

SMP Female Right Angle to Limited Detent SMP Male Bulkhead
Cable Using PE-SR405FLJ Coax , LF Solder in 50CM



RF Cable Assemblies Technical Data Sheet

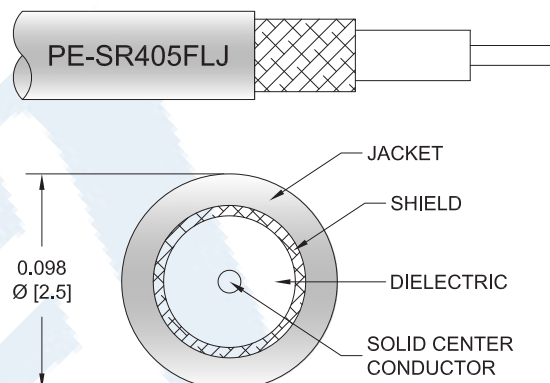
PE3C1495LF-50CM

Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: Limited Detent SMP Male Bulkhead
- Cable Type: PE-SR405FLJ

Features

- Max Frequency 20 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1495LF-50CM SMP female right angle to SMP male limited detent bulkhead 19.685 inch cable using PE-SR405FLJ 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 SMP to SMP cable assembly has a female to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3C1495LF-50CM SMP female to SMP male cable assembly operates to 20 GHz. The right angle SMP interface on the PE-SR405FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with SMP 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax , LF Solder in 50CM PE3C1495LF-50CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.57	0.75	1.15	1.65	2.52	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 x sqrt(FGHz) dB for the female connector and 0.1 dB for the male connector.

Mechanical Specifications

Cable Assembly

Length* 19.685 in [500 mm]

Weight 0.017 lbs [7.71 g]

Cable

Cable Type PE-SR405FLJ

Impedance 50 Ohms

Inner Conductor Type Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE

Number of Shields 1

Outer Conductor Material and Plating Tinned Copper Composite Braid

Jacket Material FEP, Black

Jacket Diameter 0.105 in [2.67 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax , LF Solder in 50CM PE3C1495LF-50CM](#)

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Repeated Minimum Bend Radius 0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMP Female Right Angle	SMP Male Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method		Limited Detent
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Beryllium Copper, Gold	Brass, Gold

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C1495LF

- xx

uu

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

Example: PE3C1495LF-12 = 12 inches long cable
PE3C1495LF-100cm = 100 cm long cable

SMP Female Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax , LF Solder in 50CM 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.

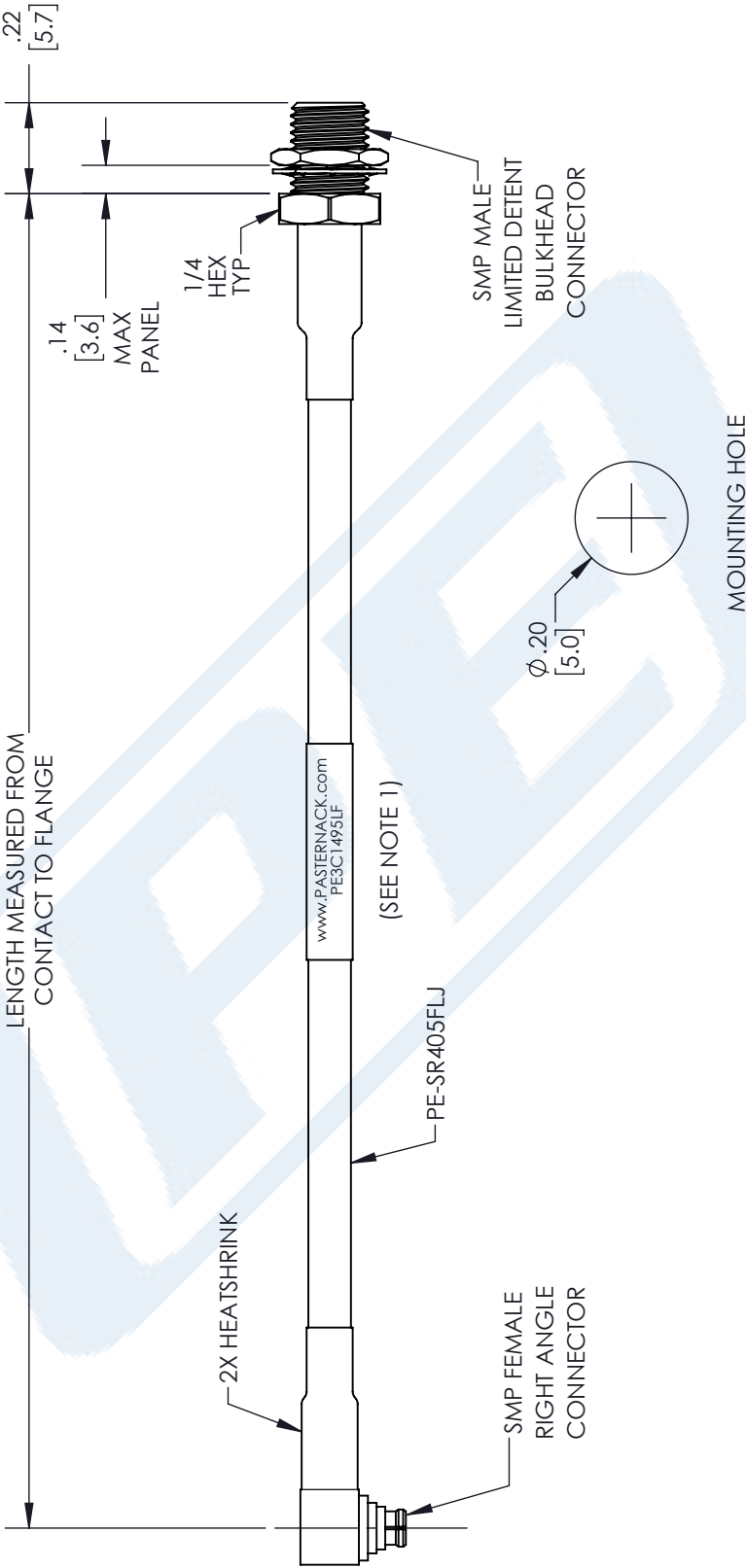
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URL: <https://www.pasternack.com/smp-female-right-angle-to-limited-detent-smp-male-bulkhead-cable-using-pe-sr405flj-lf-solder-pe3c1495lf-50cm-p.aspx>

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.

PE3C1495LF-50CM CAD Drawing
SMP Female Right Angle to Limited Detent SMP Male Bulkhead
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/10/2022	AGANWANI



NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ± .2	[5.08]	FRACTIONS
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .1 [25] / -0
12 [305] < L ≤ 60 [1524]	± .2 [51] / -0
60 [1524] < L ≤ 120 [3048]	± .4 [102] / -0
120 [3048] < L ≤ 300 [7620]	± .6 [152] / -0
300 [7620] < L ≤ ∞	± .5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

SIZE A

CAGE CODE 53919

DRAWN BY BPUCHASKI

ITEM NO. PE3C1495LF

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