

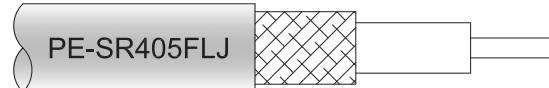
## Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ Coax



### PE3W04795

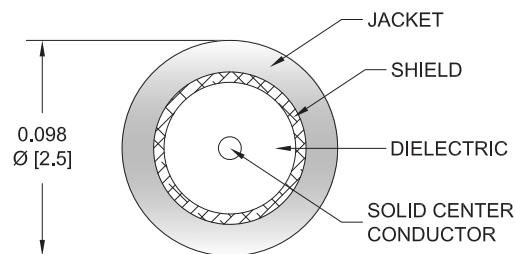
#### Configuration

- Connector 1: Mini SMP Female Right Angle
- Connector 2: 2.92mm Male
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable



#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W04795 Mini SMP female right angle to 2.92mm male 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 Mini SMP to 2.92mm cable assembly has a female to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W04795 Mini SMP female to 2.92mm male cable assembly operates to 20 GHz. The right angle Mini SMP interface on the PE-SR405FLJ cable allows for easier connections in tight spaces.

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
Frequency Range	DC		20	GHz
VSWR			1.4:1	
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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

## Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ Coax



**PE3W04795**

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (AC)			170	Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.225	0.306	0.509	0.759	1.2	dB/ft
	0.74	1	1.67	2.49	3.94	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the 2.92mm male connector and 0.2 dB for the Mini SMP female connector.

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.034 lbs [15.42 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 1 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]
Repeated Minimum Bend Radius	0.787 in [19.99 mm]

Mini SMP Female Right Angle to 2.92mm  
Male Cable Using PE-SR405FLJ Coax



**PE3W04795**

### Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female Right Angle	2.92mm Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Specification		50 $\mu$ in minimum
Dielectric Type	PTFE	PCTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Gold	Passivated Stainless Steel
Body Plating Specification		SAE-AMS-2700
Coupling Nut Material and Plating		Passivated Stainless Steel
Coupling Nut Plating Specification		SAE-AMS-2700
Hex Size		16-May inch
Torque		8 in-lbs 0.9 Nm

### Environmental Specifications

Operating Range Temperature -55 to +125 deg C

**Compliance Certifications** (see product page for current document)

### Plotted and Other Data

Notes:

## Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ Coax

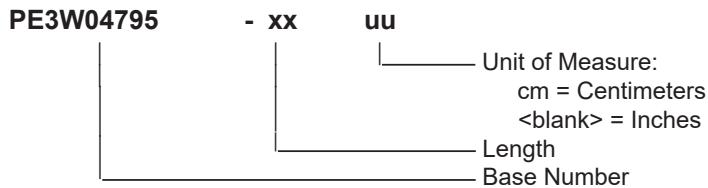


### PE3W04795

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3W04795-12 = 12 inches long cable  
PE3W04795-100cm = 100 cm long cable

Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ 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.

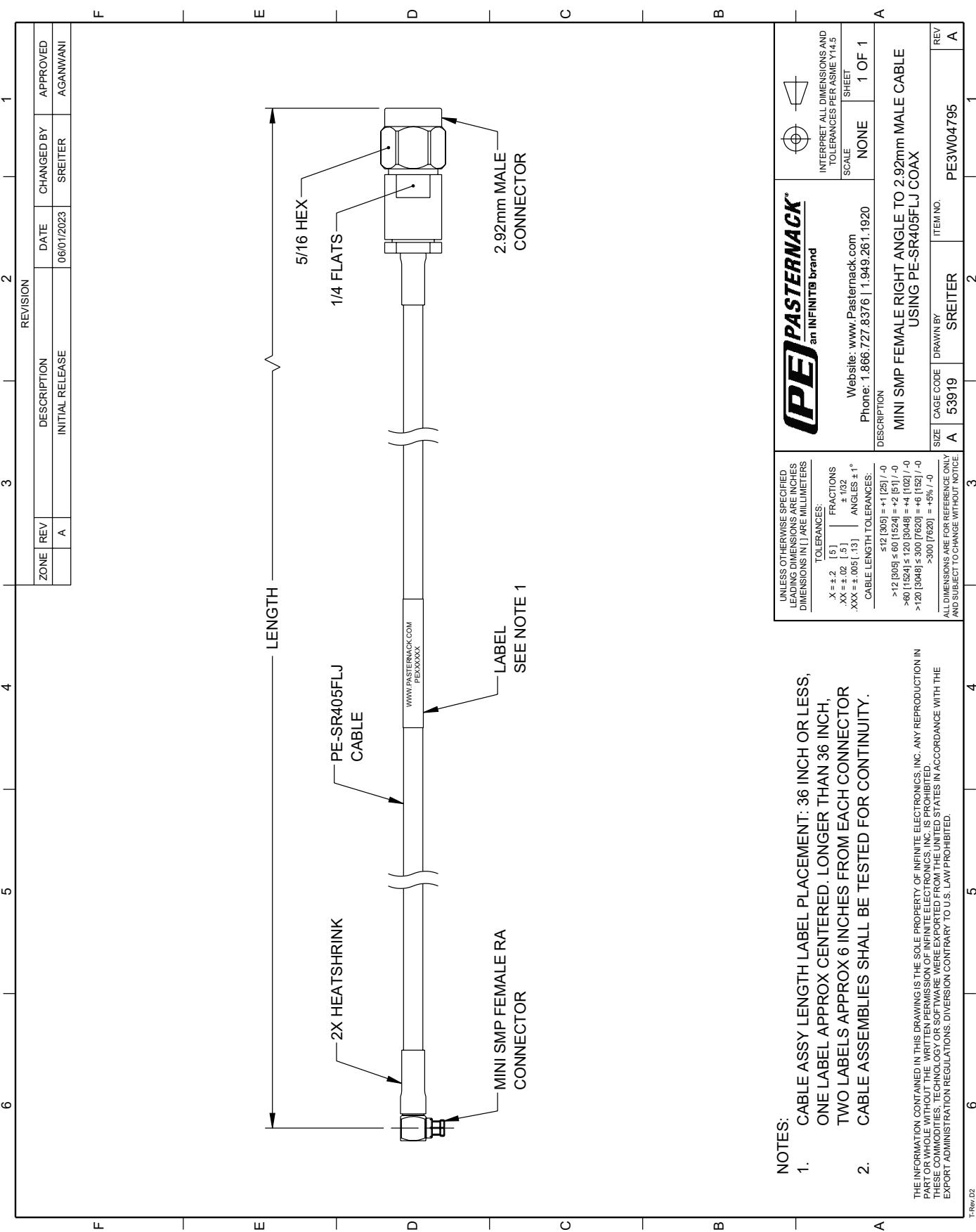
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ Coax PE3W04795](#)

URL: <https://www.pasternack.com/mini-smp-female-right-angle-to-2.92mm-male-cable-using-pe-sr405flj-pe3w04795-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3W04795 CAD Drawing

Mini SMP Female Right Angle to 2.92mm Male Cable Using PE-SR405FLJ Coax



<b>PE PASTERNAK®</b> an INFINITI® brand	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	1 OF 1
NOTE	SHEET
DESCRIPTION	MINI SMP FEMALE RIGHT ANGLE TO 2.92mm MALE CABLE USING PE-SR405FLJ COAX
ITEM NO.	PE3W04795
REV	A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.
TOLERANCES:
X = +.2 [5] FRACTIONS XX = +.02 [5] ± 1/32 .XXX = ±.005 [1.3] ANGLES ± 1°
CABLE LENGTH TOLERANCES:
$\leq 12 [305] \leq 60 [1524] = +1 [25] / -0$ $> 60 [1524] \leq 120 [3048] = +2 [51] / -0$ $> 120 [3048] \leq 300 [7620] = +4 [102] / -0$ $> 300 [7620] = +6 [152] / -0$

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	SREITER	PE3W04795	A