

# SMP Female Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock



## PE3C3221/PH180

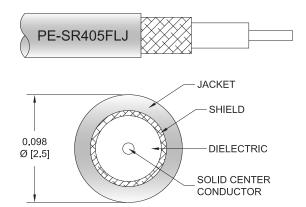
### Configuration

Connector 1: SMP Female Right AngleConnector 2: MMCX Plug Right Angle

Cable Type: PE-SR405FLJCoax Flex Type: Formable

#### **Features**

- · Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- · 69.5% Phase Velocity
- · FEP Jacket



### **Applications**

· General Purpose

· Laboratory Use

## **Description**

Pasternack's PE3C3221/PH180 SMP female right angle to MMCX plug right angle 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 MMCX cable assembly has a female to plug gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3C3221/PH180 SMP female to MMCX plug cable assembly operates to 6 GHz. The right angle SMP and right angle MMCX interfaces on the PE-SR405FLJ cable allow 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		6	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]

# Specifications by Frequency



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Part Number L	Lough	Description	F1	F2	F3	F4	Units	\A/a;=b+ /lba\	
	Length	Frequency	500	1000	2500	6000	MHz	Weight (lbs)	
PE3C3221/PH180	Custom Lengths	Insertion Loss (Typ.)	0.15	0.225	0.347	0.602	dB/ft		
PESCSZZI/PHIOU	Available	ilisei tioli Loss (Typ.)	0.5	0.74	1.14	1.98	dB/m		
PE3C3221/PH180-6	6 In	Insertion Loss (Typ.)	0.48	0.52	0.58	0.71	dB	0.013	
PE3C3221/PH180-9	9 In	Insertion Loss (Typ.)	0.52	0.57	0.67	0.86	dB	0.017	
PE3C3221/PH180-12	12 ln	Insertion Loss (Typ.)	0.55	0.63	0.75	1.01	dB	0.02	
PE3C3221/PH180-18	18 ln	Insertion Loss (Typ.)	0.63	0.74	0.93	1.31	dB	0.028	
PE3C3221/PH180-24	24 In	Insertion Loss (Typ.)	0.7	0.85	1.1	1.61	dB	0.035	

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.2 dB
Loss due to Connector 2: 0.2 dB
Base Weight: 0.02 pounds
Additional Weight per Inch: 0.00117 pounds

## **Mechanical Specifications**

## **Cable Assembly**

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.006 lbs [2.72 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 MaterialFEP, BlackJacket Diameter0.105 in [2.67 mm]One Time Minimum Bend Radius0.5 in [12.7 mm]Repeated Minimum Bend Radius0.787 in [19.99 mm]

### **Connectors**

Description	Connector 1	Connector 2			
Туре	SMP Female Right Angle	MMCX Plug Right Angle			
Specification	MIL-STD-348A				
Impedance	50 Ohms	50 Ohms			
Configuration	Right Angle	Right Angle			
Contact Material and Plating	Beryllium Copper, Gold	Phosphor Bronze, Gold over Nicke			
Dielectric Type	PTFE	PTFE			
Body Material and Plating	Beryllium Copper, Gold	Brass, Gold over Nickel			



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#### **Environmental Specifications**

Compliance Certifications (see product page for current document)

**Plotted and Other Data** 

Notes:

**Typical Performance Data** 

**How to Order** 

Part Number Configuration:

PE3C3221/PH180 - xx uu

Unit of Measure:
cm = Centimeters
<br/>
<br/>
<br/>
<br/>
chlank> = Inches
Length
Base Number

Example: PE3C3221/PH180-12 = 12 inches long cable

PE3C3221/PH180-100cm = 100 cm long cable

SMP Female Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock 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: SMP Female Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock PE3C3221/PH180

URL: https://www.pasternack.com/smp-female-right-angle-to-mmcx-plug-cable-using-pe-sr405flj-with-180-deg.-clock-pe3c3221-ph180-p. aspx

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