



## MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

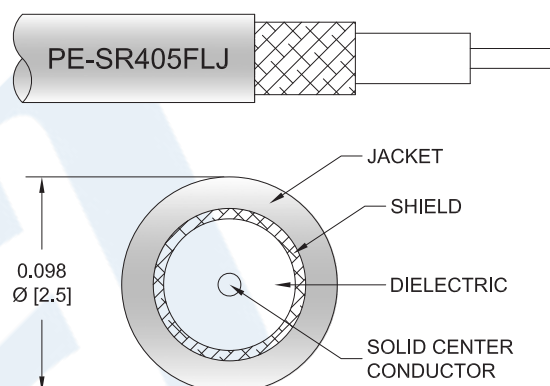
**PE3W10208**

#### Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SSMC Jack Bulkhead
- Cable Type: PE-SR405FLJ

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W10208 MMCX plug right angle to SSMC jack bulkhead 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 MMCX to SSMC cable assembly has a plug to jack gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W10208 MMCX plug to SSMC jack cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with SSMC 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: [MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax PE3W10208](#)



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#### 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] |         | Ω/1000ft [Ω/Km] |
| DC Resistance Outer Conductor |         | 10.2 [33.46]  |         | Ω/1000ft [Ω/Km] |

#### Specifications by Frequency

| Description           | F1   | F2    | F3    | F4    | F5 | Units |
|-----------------------|------|-------|-------|-------|----|-------|
| Frequency             | 0.5  | 1     | 2.5   | 6     |    | GHz   |
| Insertion Loss (Typ.) | 0.15 | 0.225 | 0.346 | 0.601 |    | dB/ft |
|                       | 0.49 | 0.74  | 1.14  | 1.97  |    | 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 jack connector and 0.2 dB for the plug connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.026 lbs [11.79 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]  
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

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**PE3W10208**

#### Connectors

| Description                           | Connector 1                       | Connector 2            |
|---------------------------------------|-----------------------------------|------------------------|
| Type                                  | MMCX Plug Right Angle             | SSMC Jack Bulkhead     |
| Impedance                             | 50 Ohms                           | 50 Ohms                |
| Mating Cycles                         |                                   | 500                    |
| Contact Material and Plating          | Phosphor Bronze, Gold over Nickel | Beryllium Copper, Gold |
| Contact Plating Specification         |                                   | MIL-G-45204            |
| Dielectric Type                       | PTFE                              | Teflon                 |
| Outer Conductor Material and Plating  |                                   | Beryllium Copper, Gold |
| Outer Conductor Plating Specification |                                   | MIL-G-45204            |
| Body Material and Plating             | Brass, Gold over Nickel           | Beryllium Copper, Gold |
| Body Plating Specification            |                                   | MIL-G-45204            |
| Torque                                |                                   | 1.75 in-lbs [0.2 Nm]   |

#### Environmental Specifications

##### Temperature

Operating Range -55 to +125 deg C

**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: [MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax PE3W10208](#)



## MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W10208**

#### How to Order

Part Number Configuration:

**PE3W10208**

- **xx**

**uu**

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

Example: PE3W10208-12 = 12 inches long cable  
PE3W10208-100cm = 100 cm long cable

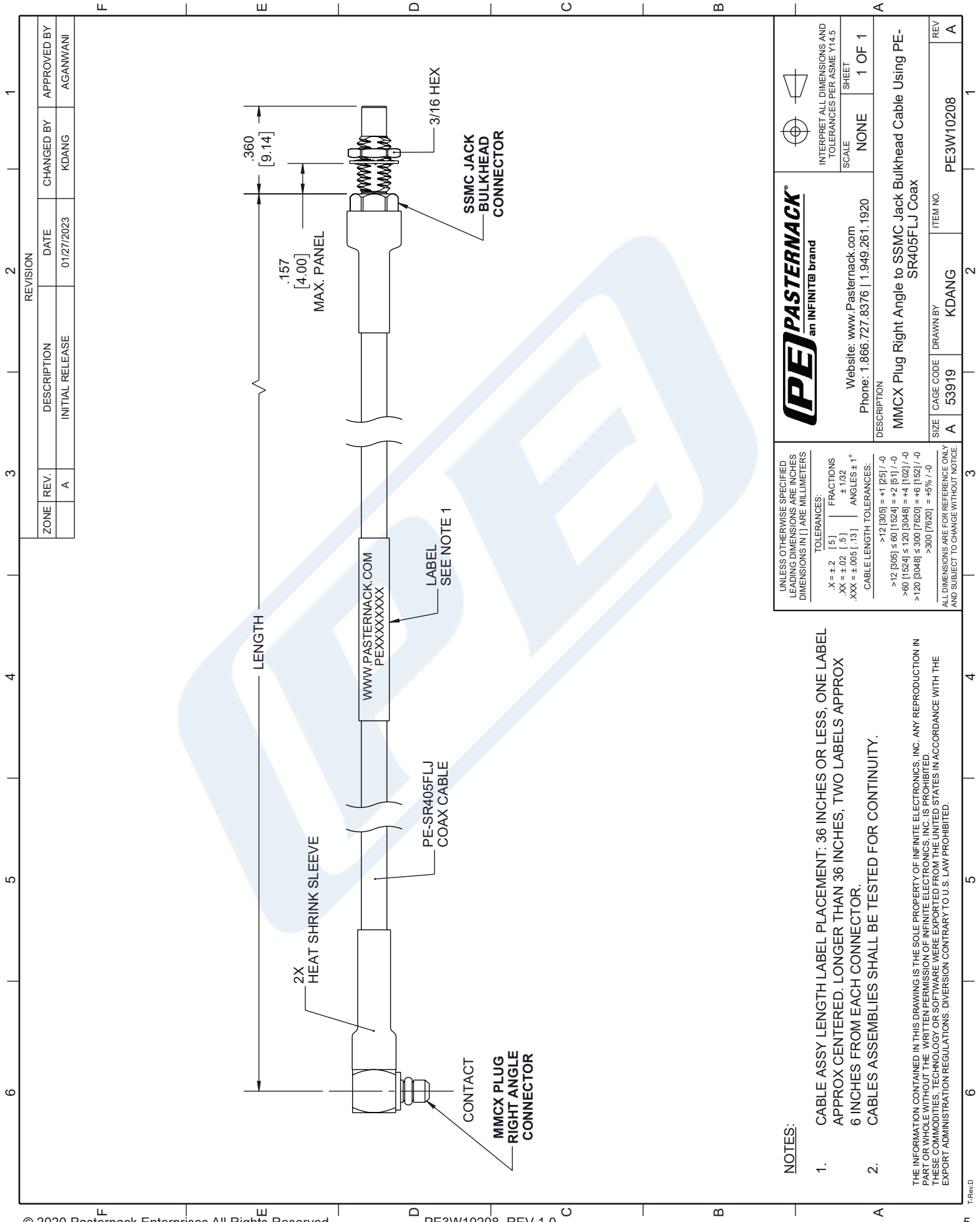
MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax PE3W10208](https://www.pasternack.com/mmcx-plug-right-angle-to-ssmc-jack-bulkhead-cable-using-pe-sr405flj-pe3w10208-p.aspx)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-ssmc-jack-bulkhead-cable-using-pe-sr405flj-pe3w10208-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.

PE3W10208 CAD Drawing  
MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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

TOLERANCES:  
X = ±.2 [5] FRACTIONS  
XX = ±.02 [.5] ±.1/32  
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
>12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.

INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
MMCX Plug Right Angle to SSMC Jack Bulkhead Cable Using PE-SR405FLJ Coax

|      |           |          |           |
|------|-----------|----------|-----------|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO.  |
| A    | 53919     | KDANG    | PE3W10208 |

REV A