



## MMCX Plug Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

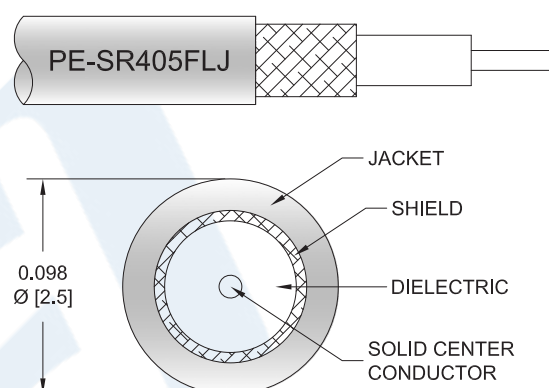
**PE3W08143**

#### Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: Limited Detent SMP Male 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 PE3W08143 MMCX plug right angle to SMP male limited detent 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 SMP cable assembly has a plug to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W08143 MMCX plug to SMP male 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 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: [MMCX Plug Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax PE3W08143](#)



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**PE3W08143**

### Electrical Specifications

| Description                   | Minimum | Typical       | Maximum | Units           |
|-------------------------------|---------|---------------|---------|-----------------|
| Frequency Range               | DC      |               | 6       | 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] |

### 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 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.024 lbs [10.89 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]

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 Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax PE3W08143](#)



MMCX Plug Right Angle to Limited Detent SMP Male  
Bulkhead Cable Using PE-SR405FLJ Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3W08143**

**Connectors**

| Description                  | Connector 1                       | Connector 2       |
|------------------------------|-----------------------------------|-------------------|
| Type                         | MMCX Plug Right Angle             | SMP Male Bulkhead |
| Specification                |                                   | MIL-STD-348A      |
| Impedance                    | 50 Ohms                           | 50 Ohms           |
| Connection Method            |                                   | Limited Detent    |
| Mating Cycles                |                                   | 500               |
| Contact Material and Plating | Phosphor Bronze, Gold over Nickel | Brass, Gold       |
| Dielectric Type              | PTFE                              | PTFE              |
| Body Material and Plating    | Brass, Gold over Nickel           | Brass, Gold       |

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +165 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 Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax PE3W08143](#)



## MMCX Plug Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W08143**

#### How to Order

Part Number Configuration:

**PE3W08143**

- **xx**

**uu**

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

Example: PE3W08143-12 = 12 inches long cable  
PE3W08143-100cm = 100 cm long cable

MMCX Plug Right Angle to Limited Detent SMP Male 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.

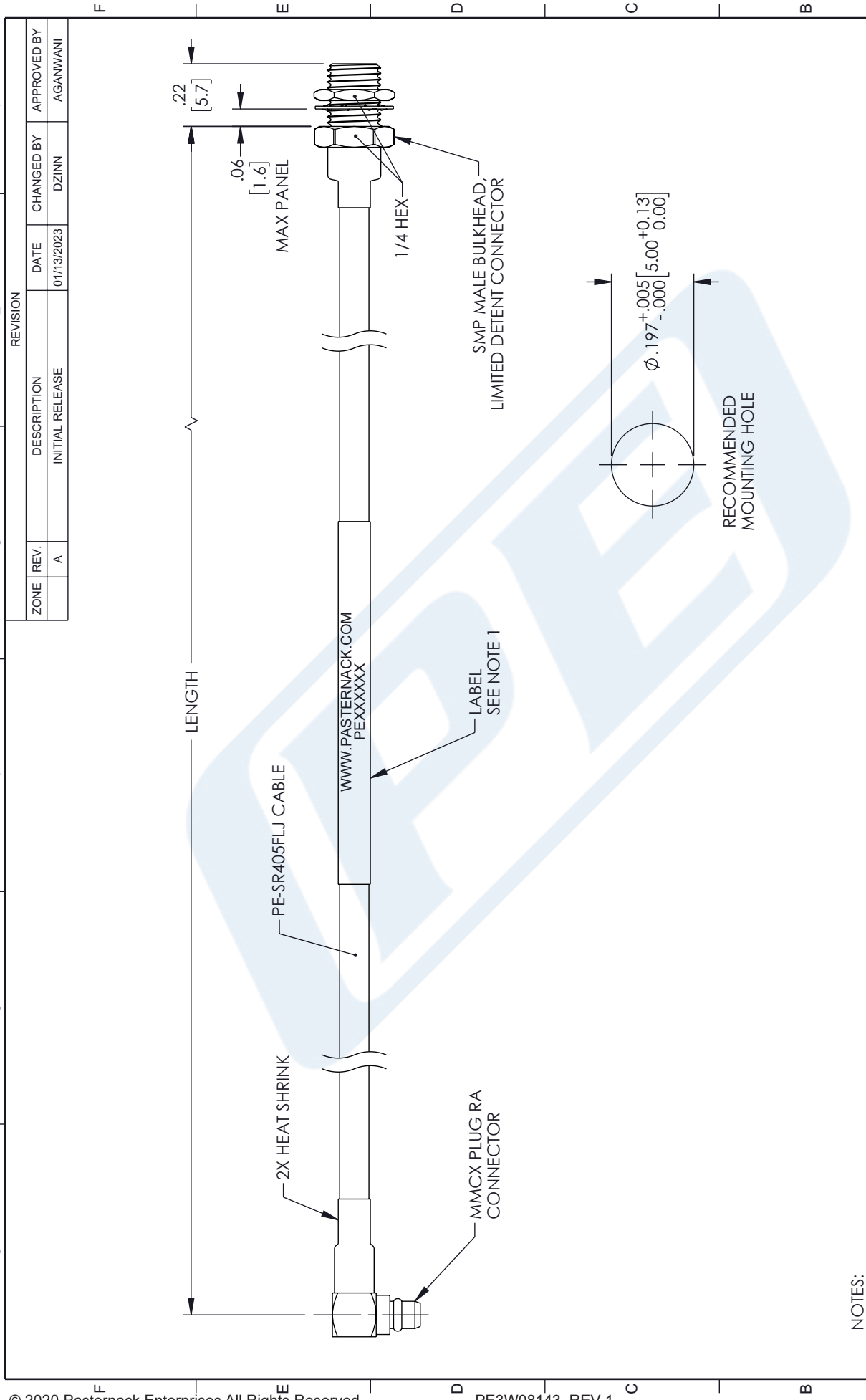
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to Limited Detent SMP Male Bulkhead Cable Using PE-SR405FLJ Coax PE3W08143](https://www.pasternack.com/mmcx-plug-right-angle-to-limited-detent-smp-male-bulkhead-cable-using-pe-sr405flj-pe3w08143-p.aspx)

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# PE3W08143 CAD Drawing

MMCX Plug Right Angle to Limited Detent SMP Male  
Bulkhead Cable Using PE-SR405FLJ Coax



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT:  
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.  
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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