

## SMA Female to SMA Female Bulkhead Cable Using LMR-195 Coax

### RF Cable Assemblies Technical Data Sheet

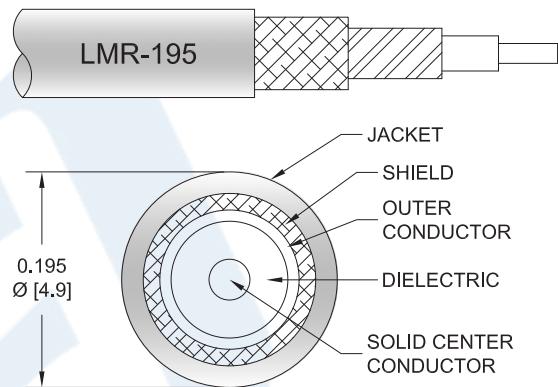
**PE3C5788**

#### Configuration

- Connector 1: SMA Female
- Connector 2: SMA Female Bulkhead
- Cable Type: LMR-195

#### Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C5788 SMA female to SMA female bulkhead cable using LMR-195 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to SMA cable assembly has a female to female gender configuration with 50 ohm flexible LMR-195 coax. Our RF cable assembly with SMA 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. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: [SMA Female to SMA Female Bulkhead Cable Using LMR-195 Coax PE3C5788](#)

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω/1000ft [Ω/Km]
Jacket Spark			3,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

###### Cable

Cable Type

LMR-195

Impedance

50 Ohms

Inner Conductor Type

Solid

Inner Conductor Material and Plating

Copper

Dielectric Type

PE (F)

Number of Shields

2

Shield Layer 1

Aluminum Tape

Shield Layer 2

Tinned Copper Braid

Jacket Material

PE, Black

Jacket Diameter

0.195 in [4.95 mm]

One Time Minimum Bend Radius

0.5 in [12.7 mm]

Repeated Minimum Bend Radius

2 in [50.8 mm]

Bending Moment

0.2 lbs-ft [0.27 N-m]

Flat Plate Crush

15 lbs/in [0.27 Kg/mm]

Tensile Strength

40 lbs [18.14 Kg]

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SMA Female to SMA Female Bulkhead  
Cable Using LMR-195 Coax**RF Cable Assemblies Technical Data Sheet****PE3C5788****Connectors**

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	50 $\mu$ in. minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in. minimum	

**Compliance Certifications** (see [product page](#) for current document)**Plotted and Other Data**

Notes:

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SMA Female to SMA Female Bulkhead  
Cable Using LMR-195 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3C5788**

**How to Order**

Part Number Configuration:

**PE3C5788**

- **xx**

**uu**

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

Example: PE3C5788-12 = 12 inches long cable  
PE3C5788-100cm = 100 cm long cable

SMA Female to SMA Female Bulkhead Cable Using LMR-195 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: [SMA Female to SMA Female Bulkhead Cable Using LMR-195 Coax PE3C5788](#)

URL: <https://www.pasternack.com/sma-female-sma-female-lmr195-cable-assembly-pe3c5788-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.

# PE3C5788 CAD Drawing

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