



## N Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-200, PE-C200, IP67 Rated

### RF Connectors Technical Data Sheet

PE45047

#### Configuration

- N Female Connector
- IEC 61169-16
- 50 Ohms
- Straight Body Geometry

- LMR-200, PE-C200 Interface Type
- Crimp/Solder Attachment
- Bulkhead
- 1/2 inch Hex

#### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.2:1
- Silver Plated Copper Contact

- 5 µm minimum contact plating
- IP67 Rated

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

Pasternack's PE45047 type N female bulkhead connector with crimp/solder attachment for LMR-200 and PE-C200 is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1. This type N bulkhead connector 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 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our type N female bulkhead connector PE45047 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.2:1	
Insertion Loss		0.1		dB
Operating Voltage (AC)		2,500		Vrms
Dielectric Withstanding Voltage (AC)		1,700		Vrms
Inner Conductor DC Resistance		0.8		mOhms
Outer Conductor DC Resistance		0.4		mOhms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-200, PE-C200, IP67 Rated PE45047](#)



## N Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-200, PE-C200, IP67 Rated

### RF Connectors Technical Data Sheet

PE45047

#### Mechanical Specifications

Size	
Length	1.66 in [42.16 mm]
Width/Dia.	0.86 in [21.84 mm]
Weight	0.115 lbs [52.16 g]
Mating Cycles	500 Cycles

#### Material Specifications

Description	Material	Plating
Contact	Copper	Silver 5 µm minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 2 µm minimum

#### Environmental Specifications

##### Temperature

-40 to +85 deg C

 Operating Range  
 IP67 Rated

Ingress Protection (IP) Rating

IEC 60068-2-27

Shock

IEC 60068-2-6-Fc

Vibration

IEC 60068-2-14-Na

Thermal Shock

Environmental Specification Notes:  
 Weather standard: IEC 60068 40/085/21

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## N Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-200, PE-C200, IP67 Rated

### RF Connectors Technical Data Sheet

PE45047

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

Notes:

N Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-200, PE-C200, IP67 Rated from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

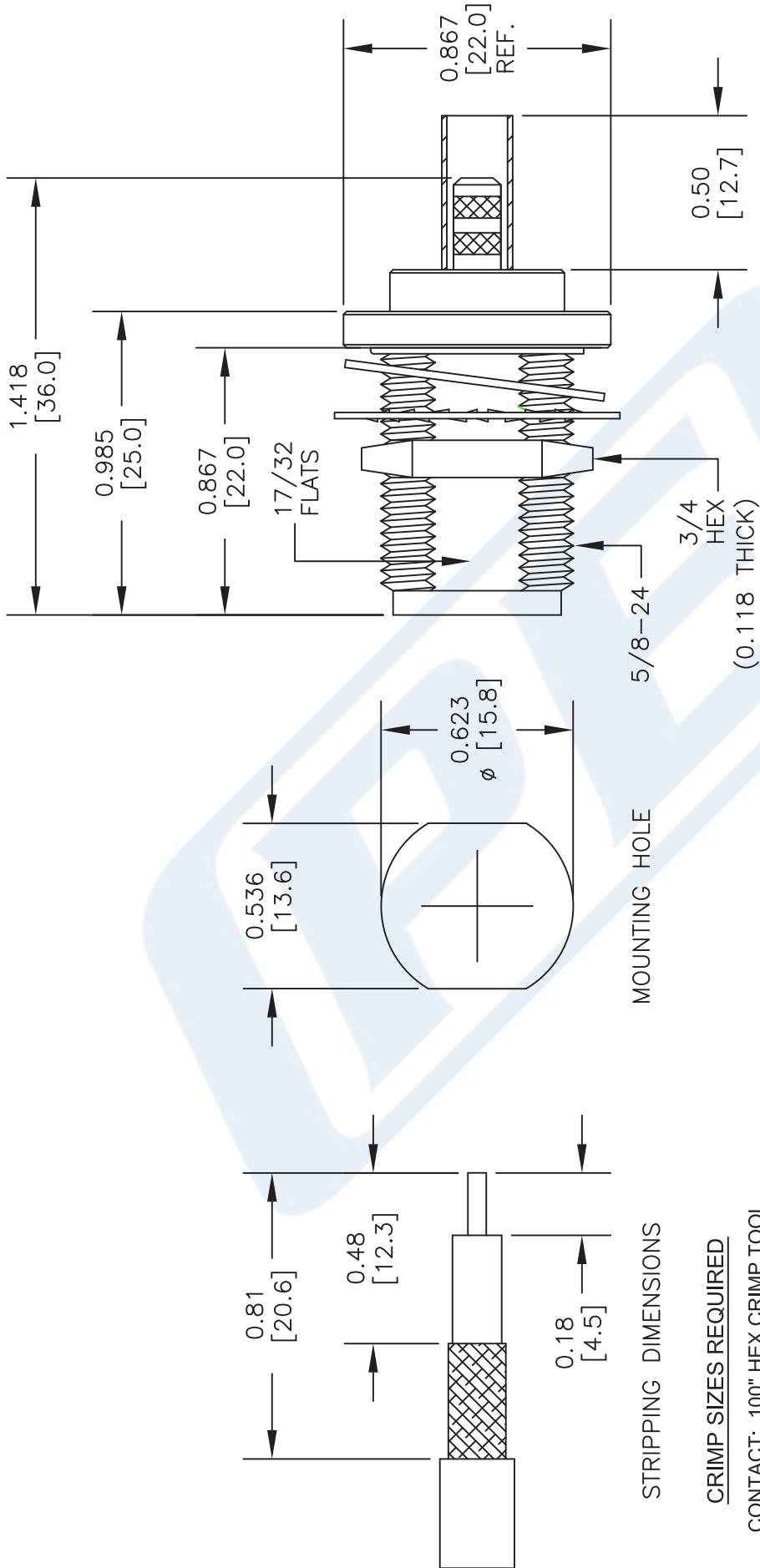
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URL: <https://www.pasternack.com/n-female-lmr-200-pe-c200-connector-pe45047-p.aspx>

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.

# PE45047 CAD Drawing

N Female Bulkhead Mount Connector Crimp/Solder  
Attachment for LMR-200, PE-C200, IP67 Rated

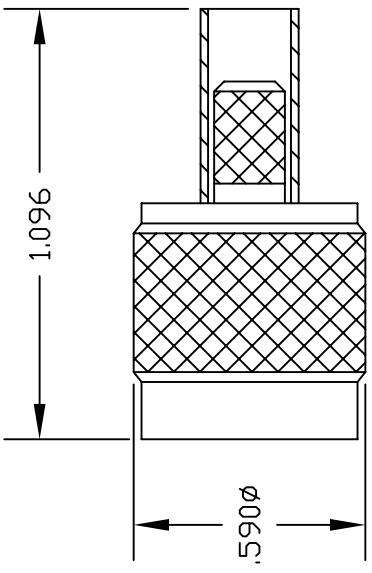


STRIPPING DIMENSIONS  
CRIMP SIZES REQUIRED  
CONTACT: .100" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
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Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE	PE45047
FSCM NO.	53919
CAD FILE	062615
SCALE	N/A
SIZE	A
2233	

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE



\* PE-C Series is a functionally equivalent to  
Times Microwave LMR® series  
\*\* LMR® is a registered trademark of Times Microwave



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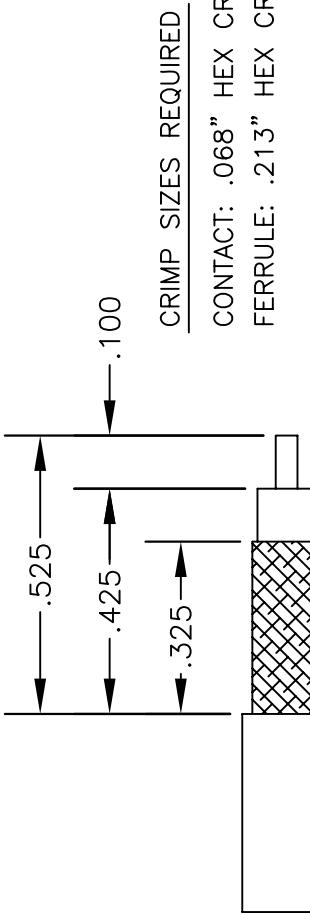
WEB ADDRESS: [www.pasterнак.com](http://www.pasterнак.com)  
E-MAIL ADDRESS: [sales@pasterнак.com](mailto:sales@pasterнак.com)

COAXIAL & FIBER OPTICS

DES. TNC MALE, CRIMP ATTACHMENT FOR  
PE-C200\* & LMR200\*\*

DWG TITLE REV. A FSCM NO. 53919 CAD FILE 050609 SCALE N/A SIZE A 127

STRIPPING DIMENSIONS



NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES.

## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

#### Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	83
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	24.5 [80.38]
Maximum Operating Voltage, Volts	1,000
Dielectric Withstanding Voltage, Vdc	1,000
Jacket Spark, Vrms	3,000
Peak Power, KWatts	2.5

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	50
Attenuation, dB/100ft [dB/100m]	2.3 [7.55]
Power Handling, Watts	790

##### Frequency 2

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	4 [13.12]
Power Handling, Watts	450

##### Frequency 3

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	12.9 [42.32]
Power Handling, Watts	140

##### Frequency 4

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	16.9 [55.45]
Power Handling, Watts	110

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C200](#)

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## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

#### Frequency 5

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	26.4 [86.61]
Power Handling, Watts	70

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-40 to +85
Storage Range, deg C	-70 to +85

##### Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.044 [1.12]

##### Dielectric:

Type	PE (F)
Diameter, in [mm]	0.116 [2.95]

##### Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.144 [3.66]

##### Jacket:

Material	PE
Diameter, in [mm]	0.195 [4.95]
Color	Black
Weight, lbs/ft [Kg/m]	0.022 [0.03]

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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## Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

PE-C200

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

Low Loss Flexible .200 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

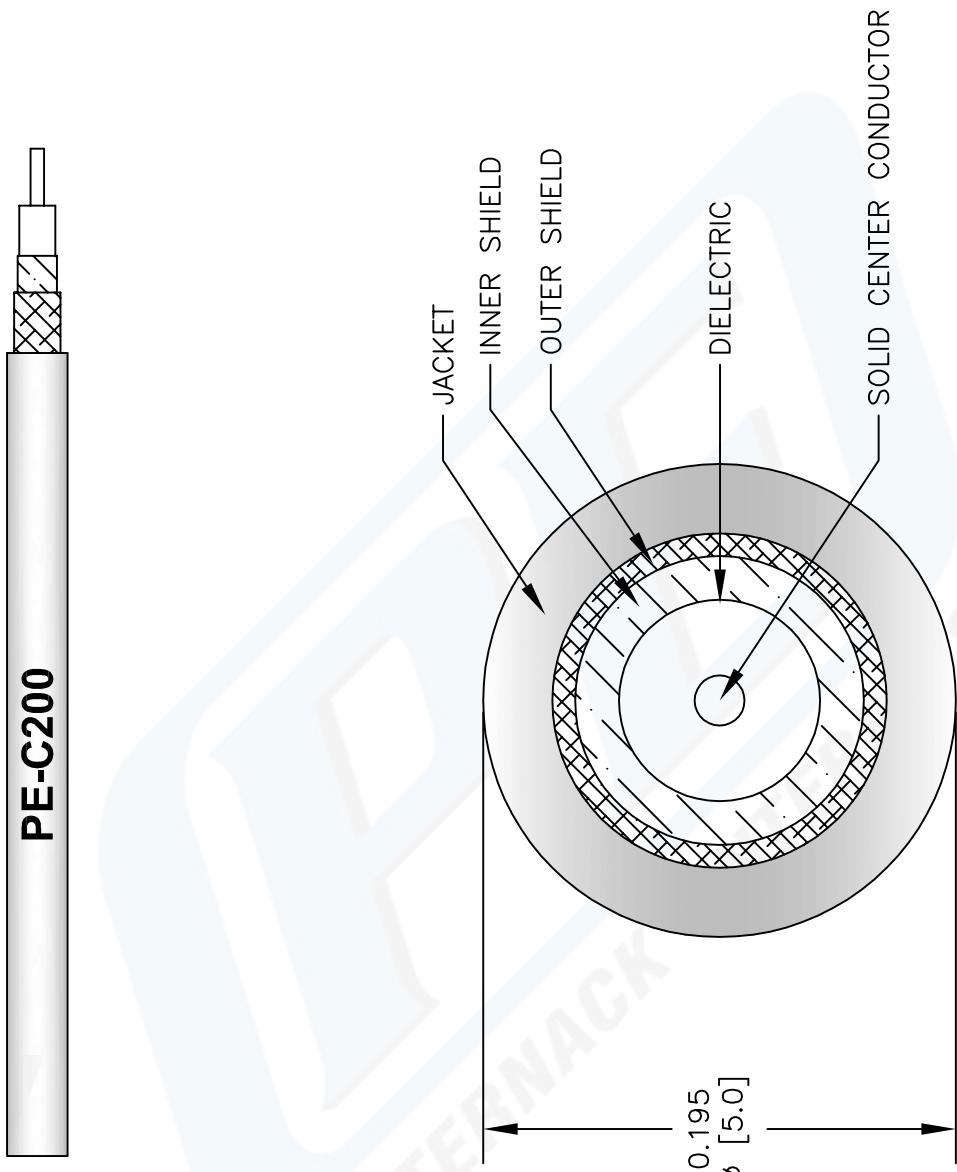
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URL: <http://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c200-p.aspx>

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## PE-C200 CAD Drawing

Low Loss Flexible .200 inch Foam Dielectric Type Coax  
Cable Double Shielded with Black PE Jacket



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WG TITLE  
E-C  
FSC

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