



SMA Male Connector Crimp/Solder
Attachment for LMR-200, PE-C200

RF Connectors Technical Data Sheet

PE45040

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-200, PE-C200 Interface Type
- Crimp/Solder Attachment
- 5/16 Inch Hex

Features

- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45040 SMA male 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 SMA male connector PE45040 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.

Mechanical Specifications

Size

Length	1.02 in [25.91 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.014 lbs [6.35 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	Teflon	
Body	Brass	Gold
Coupling Nut	Brass	Gold

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for LMR-200, PE-C200 PE45040](#)



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RF Connectors Technical Data Sheet

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Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Solder Attachment for LMR-200, PE-C200 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.

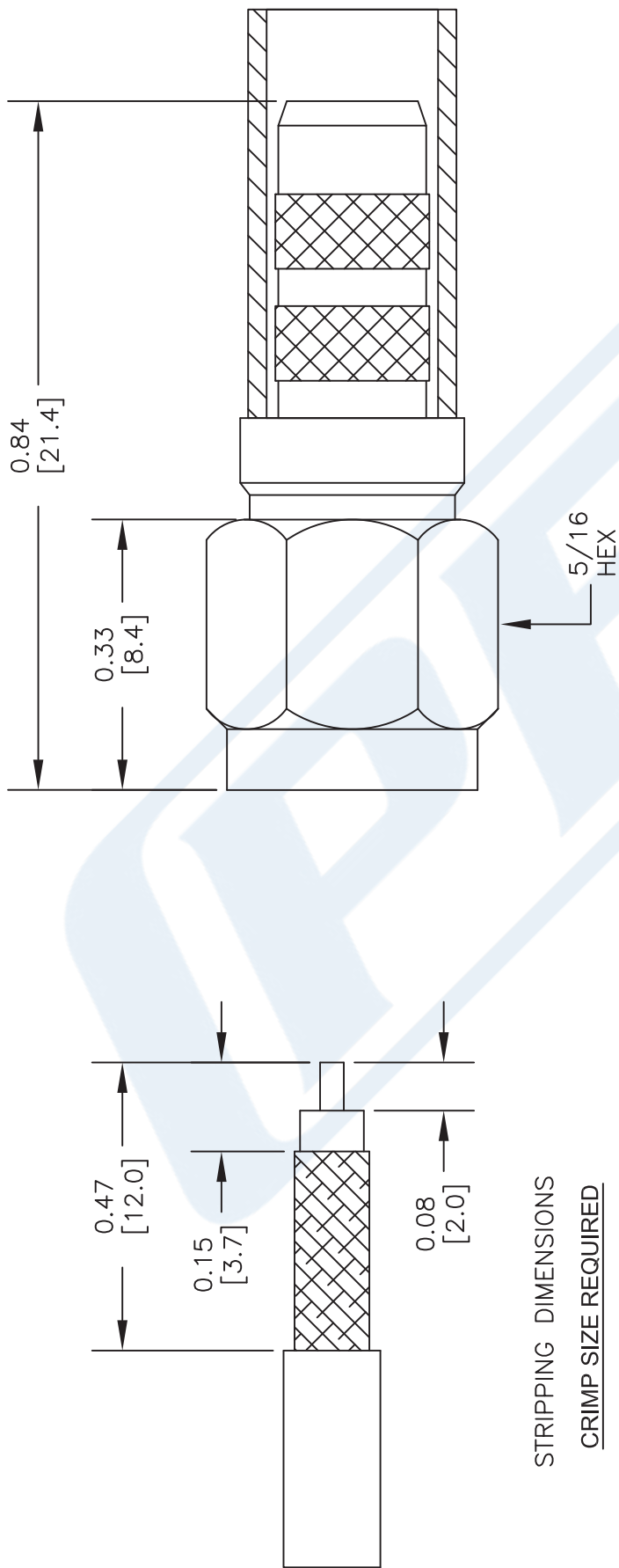
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URL: <https://www.pasternack.com/sma-male-standard-standard-lmr200-pe-c200-connector-pe45040-p.aspx>

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.

PE45040 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for LMR-200, PE-C200



DWG TITLE

PE45040

- 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 [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 061714

SCALE N/A

SIZE A

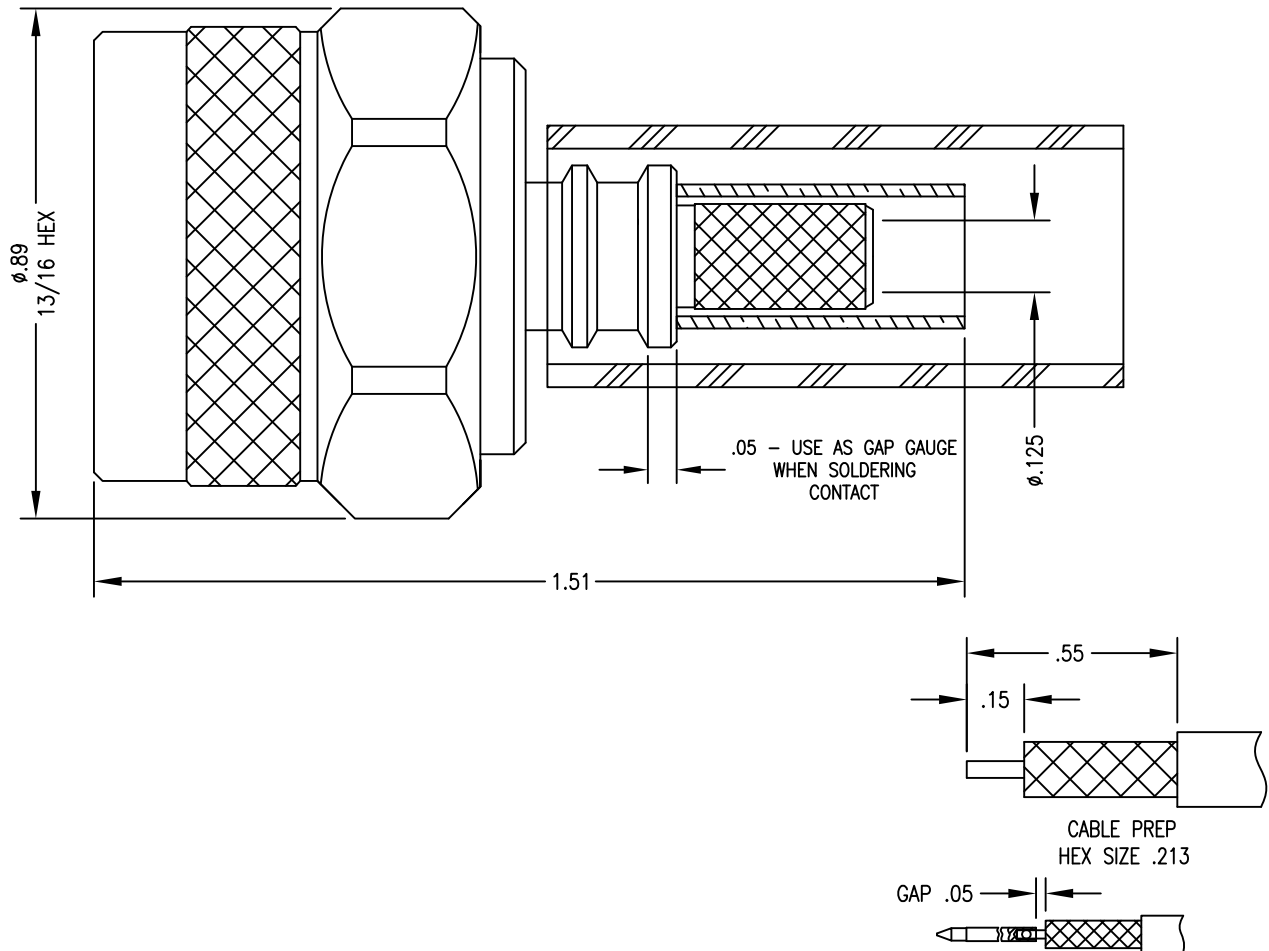
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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	2/13/14	J.D.B.	2/14/14
B	CHANGED PER CDC #40047	N.N.N	6/6/14	J.D.B.	6/6/14



1.0 PERFORMANCE

- 1.1 FREQUENCY RANGE: DC-6 GHz
- 1.2 NOMINAL IMPEDANCE: 50 OHMS
- 1.3 DWV: 1,000 VRMS @ 60 Hz (SEA LEVEL)
- 1.4 TEMPERATURE RANGE: -65°C TO +165°C

2.0 MATERIALS

- 2.1 DIELECTRIC: PTFE
- 2.2 CONTACT: BRASS
- 2.3 LOCKING RING: PHOSPHOR BRONZE
- 2.4 CRIMP FERRULE: SOFT COPPER
- 2.5 OTHER METAL PARTS: BRASS
- 2.6 GASKET: SILICONE RUBBER
- 2.7 HEAT SHRINK: POLYOLEFIN THICK WALL

3.0 FINISHES: SEE TABLE

4.0 MECHANICAL

- 4.1 INTERFACE PER MIL-STD-348

BODY	CONTACT
ALBALOY	GOLD/NI

MATL:	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/32	DFTM: N. N. N	TIMES MICROWAVE SYSTEMS			
		DATE: 2/13/14	TC-200-NMH-X NM FOR LMR-200 CABLE			
USED ON: D		CHKD: J. D. B.				
		DATE: 2/14/14				
SCALE: N/A	DWG. SIZE: A	APPD: J. D. B.	DATE: 2/14/14	SHEET: 1 of 1	SD3190-2882	REV: B
		DO NOT SCALE DRAWING				
		CODE IDENT: 68999				

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 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

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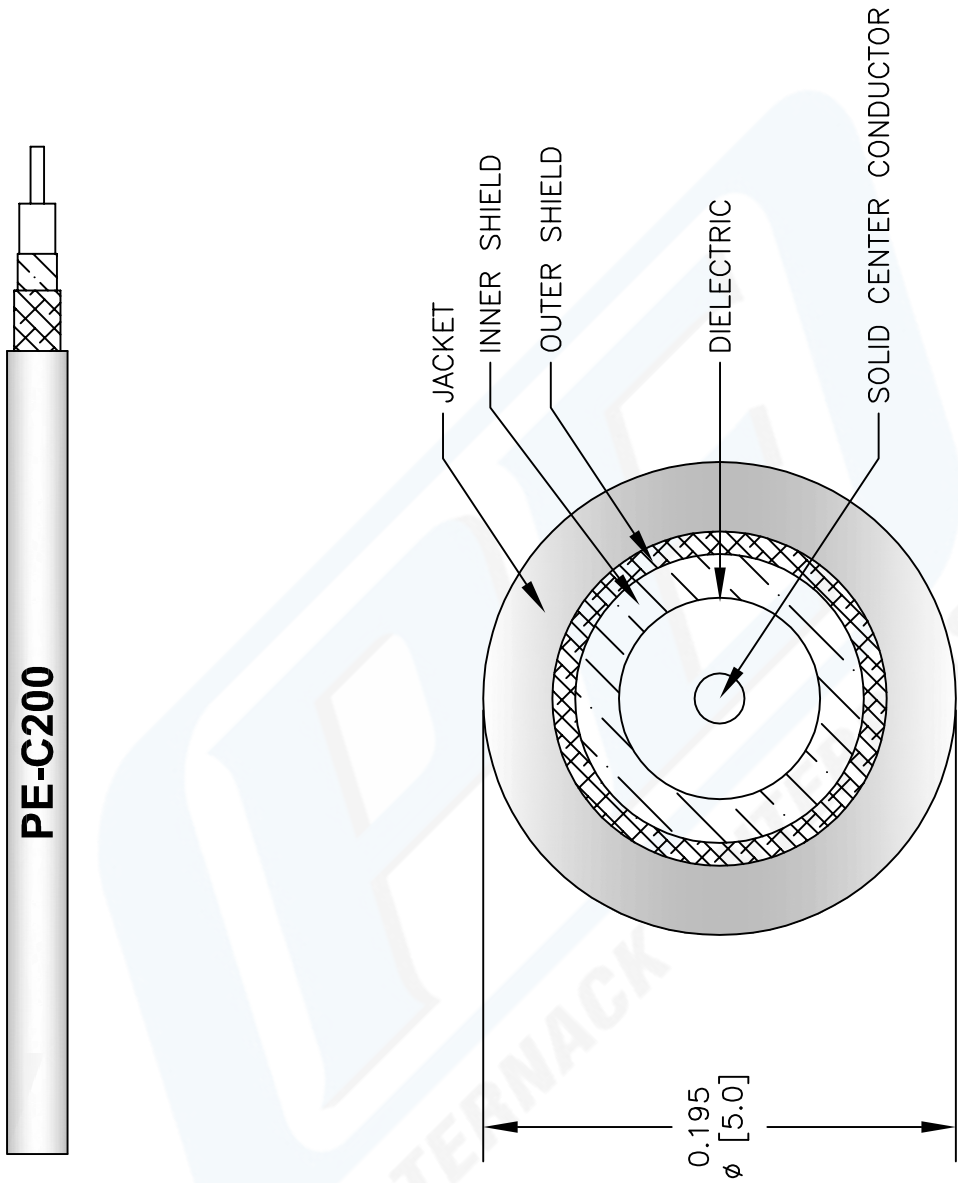
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URL: <http://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c200-p.aspx>

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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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PE-C200	



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