


**RT SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole**
**TECHNICAL DATA SHEET**
**PE44196**
**RT SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole**
**Configuration**

Connector	SMA Female Reverse Thread
Connector Specification	MIL-C-39012
Connector Interface Type	RG174, RG316, RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

**Electrical Specifications**

Impedance, Ohms	50
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**Mechanical Specifications**

<b>Temperature</b>	
Operating Range, deg C	-65 to +165
<b>Size</b>	
Length, in [mm]	0.91 [23.11]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.008 [3.63]

**Connector**

Type	SMA Female Reverse Thread
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RT SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole PE44196](#)

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**PE44196**

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

RT SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole 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.

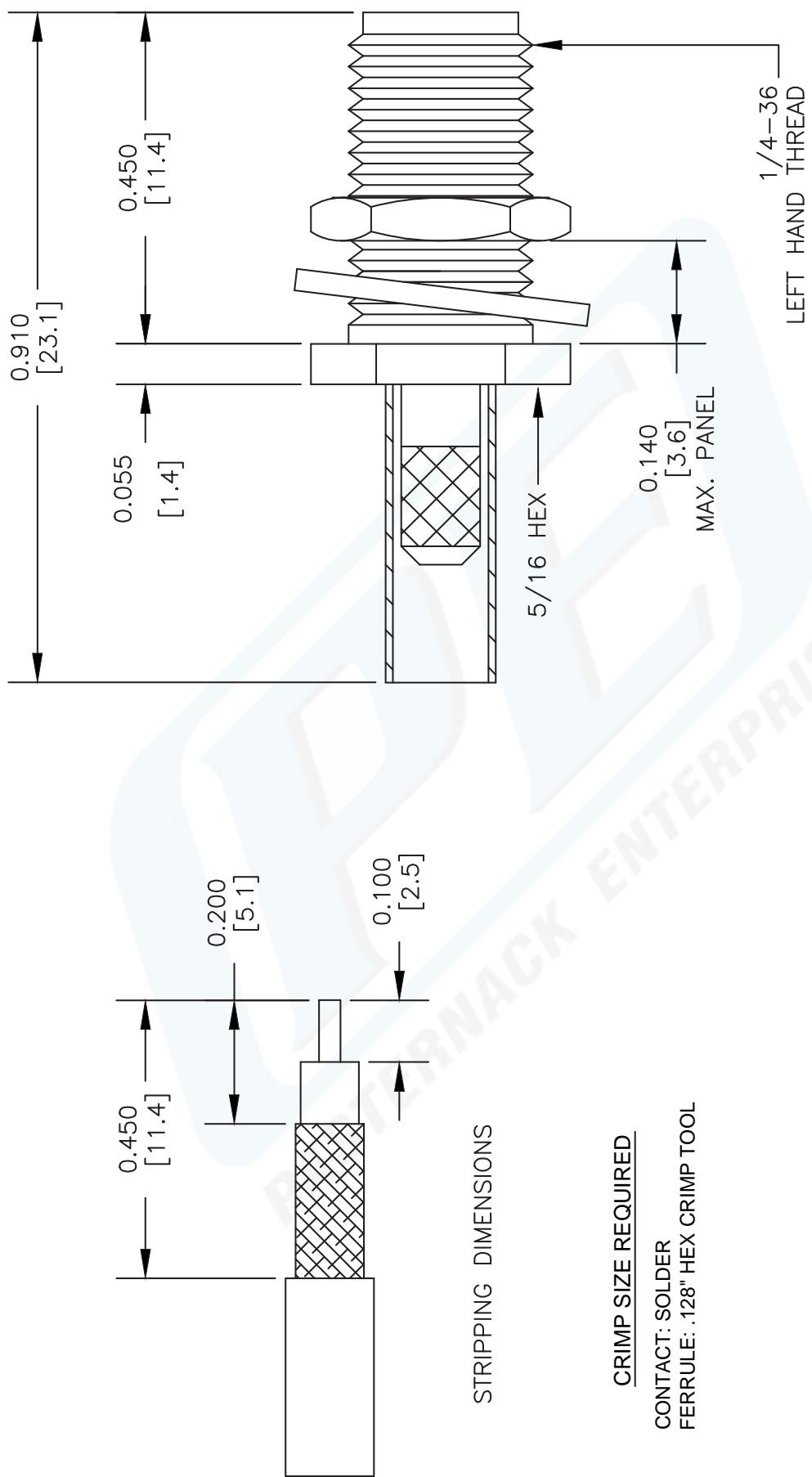
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URL: <http://www.pasternack.com/sma-female-reverse-thread-rg174-rg316-rg188-connector-pe44196-p.aspx>

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# PE44196 CAD Drawing

RT SMA Female Bulkhead Connector Crimp/Solder Attachment  
For RG174, RG316, RG188, .235 inch D Hole



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.

DWG TITLE	PE44196	FSCM NO.	53919	CAD FILE	070202	SCALE	N/A	SIZE	A	XXXX
<b>PASTERNACK®</b> Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>										

SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



## RF Connectors Technical Data Sheet

PE4262

### Configuration

- SMC Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry

- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Clamp/Solder Attachment
- 1/4 inch Hex

### Features

- Max. Operating Frequency 10 GHz
- Gold Plated Beryllium Copper Contact

- 30  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4262 SMC plug right angle connector with clamp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch is part of our full line of RF components available for same-day shipping. Our SMC plug connector operates up to a maximum frequency of 10 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SMC plug right angle connector PE4262 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		10	GHz
Operating Voltage (AC)			335	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.3:1					

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4262](#)

SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



## RF Connectors Technical Data Sheet

PE4262

### Mechanical Specifications

Size	
Length	0.54 in [13.72 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.488 in [12.4 mm]
Weight	0.014 lbs [6.35 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in minimum

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

## RF Connectors Technical Data Sheet

PE4262

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

### Plotted and Other Data

Notes:

SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch 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.

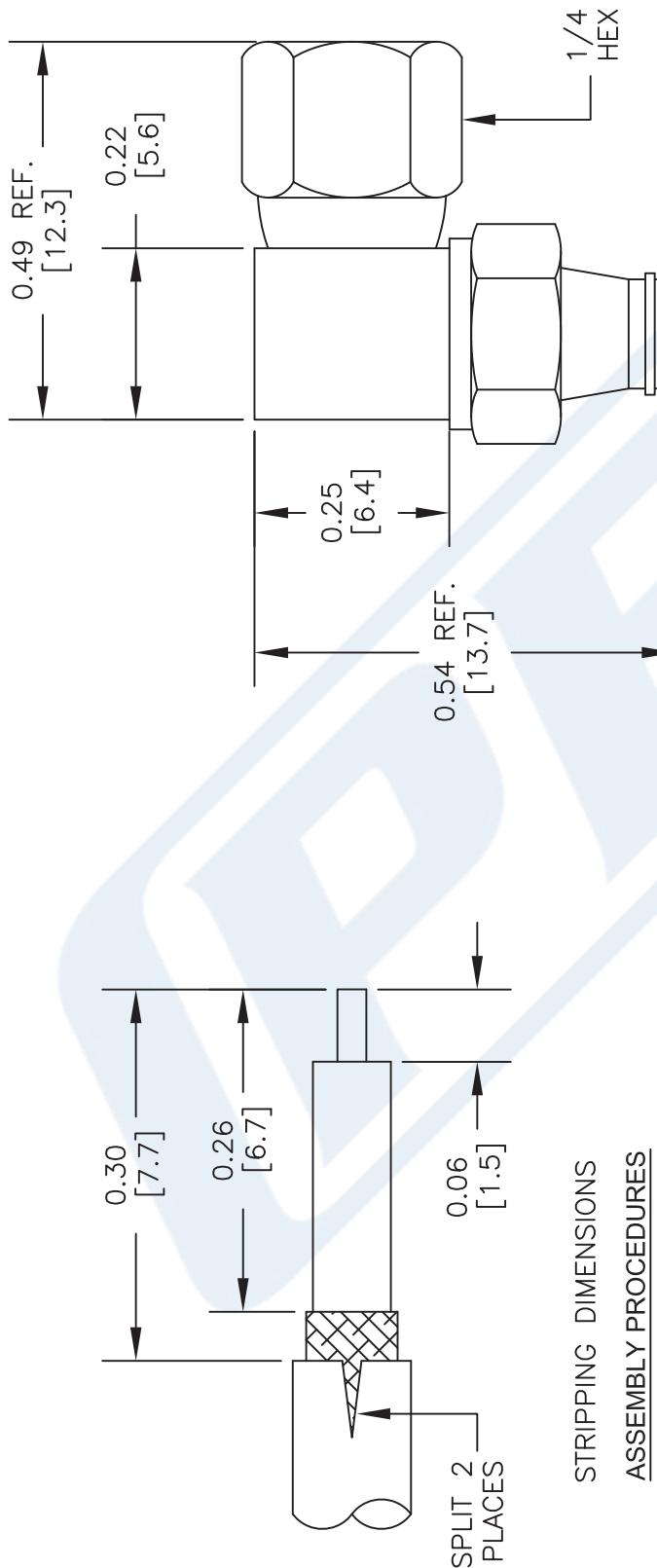
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URL: <https://www.pasternack.com/smc-plug-standard-rg174-rg316-rg188-connector-pe4262-p.aspx>

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# PE4262 CAD Drawing

SMC Plug Right Angle Connector Clamp/Solder Attachment for RG174,  
RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIT JACKET IN 2 PLACES.
2. SLIDE CLAMP NUT OVER CABLE. FLAIR BRAID AND INSERT INTO CONE OF BODY SLIDING UNDER BRAID. SLIDE CLAMP NUT FORWARD & TIGHTEN.
3. SOLDER CENTER CONDUCTOR IN PLACE. PRESS DOWN CAP.

**PE PASTERNACK®**

**PE4262**

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REV. A	FSCM NO.	53919	CAD FILE	041712	SCALE	N/A	SIZE A	2233
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## Low Loss Flexible RG174 Type Coax Cable Double Shielded with Black LSZH Jacket

### RF Cables Technical Data Sheet

PE-C100-LSZH

#### Configuration

Low Loss Flexible Cable  
2 Number of Shields

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Shielding Effectiveness	90			dB
Operating Voltage (AC)			500	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]
Nominal Inductance		0.077 [0.25]		uH/ft [uH/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	30	50	150	220	450	MHz
Attenuation, Typ	3.9	5.1	8.9	10.9	15.8	dB/100ft
	12.8	16.73	29.2	35.76	51.84	dB/100m
Input Power (CW), Max	230	180	100	80	60	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	0.7	1.5	1.8	2.5	5	GHz
Attenuation, Typ	20.1	30.5	33.5	40.5	60	dB/100ft
	65.94	100.07	109.91	132.87	196.85	dB/100m
Input Power (CW), Max	40	40	40	40	10	Watts

#### Mechanical Specifications

Diameter	0.109 in [2.77 mm]
Weight	0.014 lbs/ft [0.02 Kg/m]

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 RG174 Type Coax Cable Double Shielded with Black LSZH Jacket PE-C100-LSZH](#)

## Low Loss Flexible RG174 Type Coax Cable Double Shielded with Black LSZH Jacket

### RF Cables Technical Data Sheet

PE-C100-LSZH

Min. Bend Radius (Installation)	0.25 in [6.35 mm]
Min. Bend Radius (Repeated)	1 in [25.4 mm]
Bending Moment	0.1 lbs/ft [0.15 Kg/m]
Tensile Strength	15 lbs [6.8 Kg]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strands	0.018in [0.46 mm]
Dielectric	PE	0.059 in [1.5 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	LSZH, Black	0.109 in [2.77 mm]

#### Environmental Specifications

##### Temperature

Operating Range  
Storage Range

-40 to 85 deg C  
-40 to 85 deg C

#### Compliance Certifications

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

RoHS Compliant  
REACH Compliant

12/17/2014

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 RG174 Type Coax Cable Double Shielded with Black LSZH Jacket PE-C100-LSZH](#)

## Low Loss Flexible RG174 Type Coax Cable Double Shielded with Black LSZH Jacket

### RF Cables Technical Data Sheet

PE-C100-LSZH

#### Plotted and Other Data

Notes:

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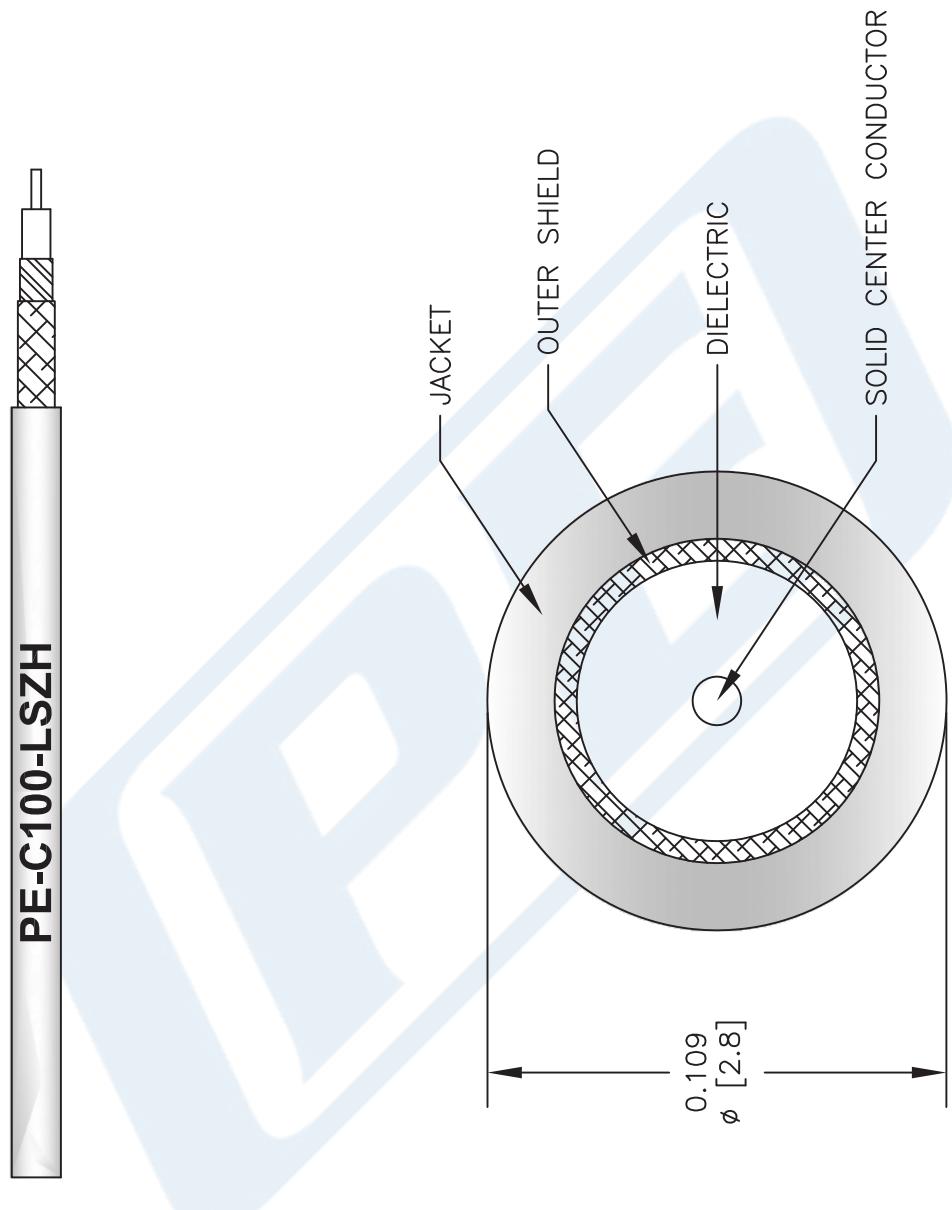
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URL: <http://www.pasternack.com/50-ohm-low-loss-lszhjacket-aluminumtape-over-tinnedcopperbraid-outerconductor-double-shieldedpe-c100-lszh-p.aspx>

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PE-C100-LSZH CAD Drawing

Low Loss Flexible RG174 Type Coax Cable Double Shielded with Black LSZH Jacket



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PF-C100-I S7H DWG TITLE

DRAWING TITLE

**PASTERNAK**  
PF

Departmental Examination 12

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