



SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4002

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG142, RG223, RG400, RG141 Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.23:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4002 SMA male right angle connector with crimp/solder attachment for RG55, RG142, RG223, RG400 and RG141 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.23:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE4002 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		12.4	GHz
VSWR			1.23:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	0.762 in [19.35 mm]
Width/Dia.	0.315 in [8.00 mm]
Height	0.65 in [16.51 mm]
Weight	0.017 lbs [7.71 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4002](#)



SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4002

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4002](#)

URL: <https://www.pasternack.com/sma-male-standard-rg55-rg142-rg223-rg400-connector-pe4002-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.

PE4002 CAD Drawing

SMA Male Right Angle Connector Crimp/Solder Attachment
for RG55, RG142, RG223, RG400, RG141



STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE

PE4002

FSCM NO. 53919

CAD FILE 071316

SCALE N/A

SIZE A

2233



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com



BNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4023

Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4023 BNC male connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1.

Our BNC male connector PE4023 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		4	GHz
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size

Length	1.09 in [27.69 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.038 lbs [17.24 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4023](#)



BNC Male Connector Clamp/Solder Attachment
for RG58, RG55, RG141, RG142, RG223, RG400,
RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4023

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

BNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4023](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4023-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.

PE4023 CAD Drawing

BNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195



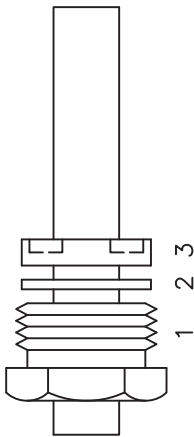
STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

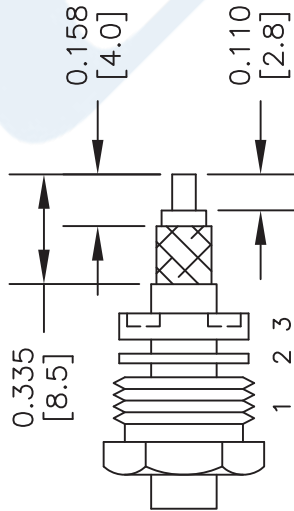
- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

ASSEMBLY PROCEDURES

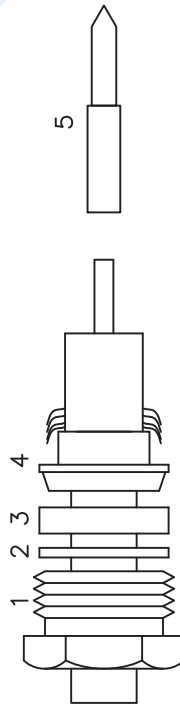
1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE AS SHOWN.



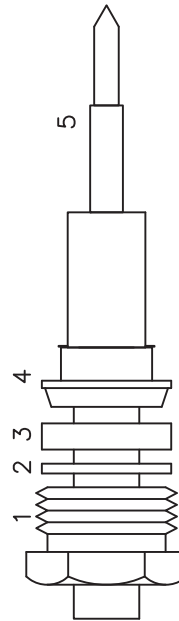
2. TRIM PER DIMENSIONS.



3. a) SLIDE BRAID CLAMP OVER BRAID UNTIL IT STOPS ON CABLE JACKET.
b) FLAIR BRAID AS SHOWN.



4. INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS (5).



5. REMOVE EXCESS SOLDER. INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

DWG TITLE

PE4023

PE PASTERNAK
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 040116

SCALE N/A

SIZE A

3045



53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

RG55B/U

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Materials	Tinned Copper Braid, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	53
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	28.8 [94.49]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1.35 [4.43]

Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4.3 [14.11]

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	16.5 [54.13]

Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	32 [104.99]

Mechanical Specifications

Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.032 [0.81]

Dielectric:

Type	PE
Diameter, in [mm]	0.116 [2.95]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U](#)

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.



53 Ohm Flexible RG55 Coax Cable Double
Shielded with Black PE Jacket

TECHNICAL DATA SHEET

RG55B/U

Shield:

Number of	2
Material 1	Tinned Copper Braid
Material 2	Tinned Copper Braid

Jacket:

Material	PE
Diameter, in [mm]	0.202 [5.13]
Color	Black
Weight, lbs/ft [Kg/m]	0.035 [0.05]

Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

53 Ohm Flexible RG55 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U](#)

URL: <http://www.pasternack.com/flexible-0.206-rg55-53.5-ohm-coax-cable-pe-jacket-rg55b-u-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.

RG55B/U CAD Drawing

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket



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].

DWG TITLE
RG55B/U

147

SIZE A

SCALE N/A

CAD FILE 040113-A

REV. A | FSCM NO. 53919



PASTERNAK®
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com