

# N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing



## RF Connectors Technical Data Sheet

PE44068

### Configuration

- N Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment
- 4 Hole Flange

### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

### Applications

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

### Description

Pasternack's PE44068 type N female 4 hole flange mount connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 (.718 inch hole spacing) 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 11 GHz. This type N 4 hole flange 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.

Our type N female 4 hole flange connector PE44068 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		11	GHz
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

### Mechanical Specifications

Size	
Length	1.375 in [34.93 mm]
Width/Dia.	1 in [25.40 mm]
Weight	0.074 lbs [33.57 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing PE44068](#)

N Female Connector Crimp/Solder Attachment  
 4 Hole Flange Mount for RG55, RG141, RG142,  
 RG223, RG400, .718 inch Hole Spacing



## RF Connectors Technical Data Sheet

PE44068

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	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:

N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing 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.

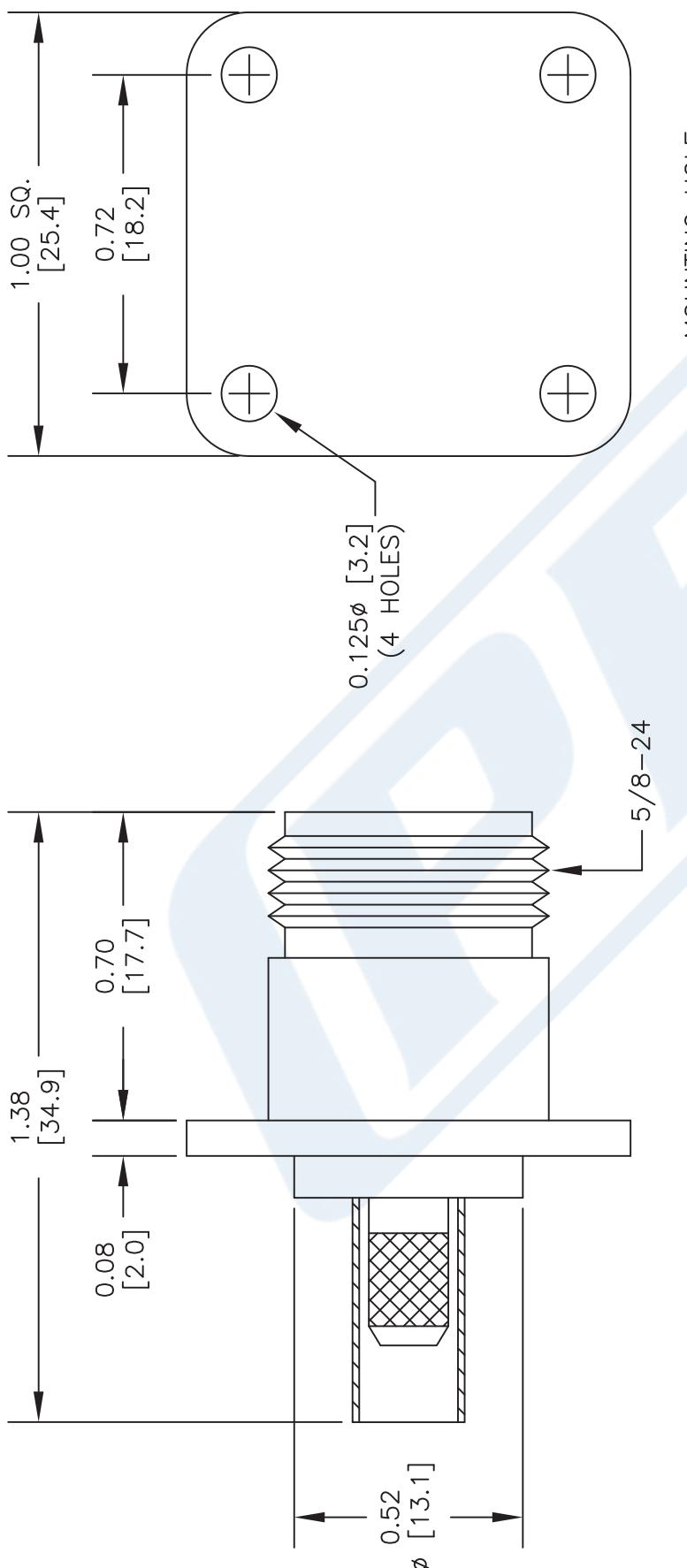
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing PE44068](#)

URL: <https://www.pasternack.com/n-female-standard-rg55-rg141-rg142-rg223-rg400-connector-pe44068-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.

# PE44068 CAD Drawing

N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for  
RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing



MOUNTING HOLE

CRIMP SIZE REQUIRED

CONTACT: .100" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL

STRIPPING DIMENSIONS

**PE PASTERNACK**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
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)

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	PE44068	SCALE	SIZE	2233
FSCM NO.	53919	CAD FILE	062402	



## 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 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in 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.

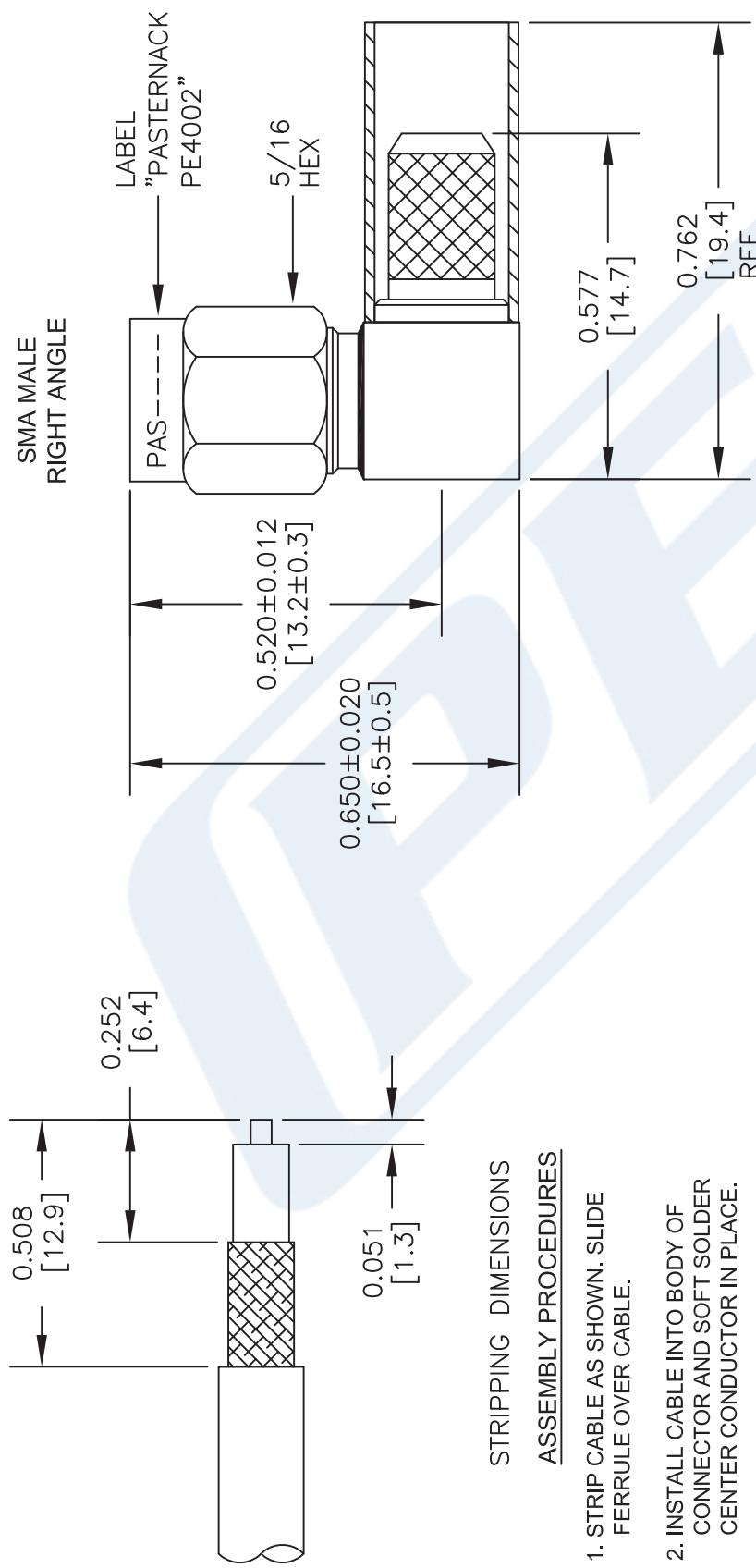
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4002](#)

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



### 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**  
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](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG142B/U**

### Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

#### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

##### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

##### Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

##### Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-55 to +200
------------------------	-------------

##### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/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.

# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

## RG142B/U

### Dielectric:

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

### Shield:

Number of 2  
Material 1 Silver Plated Copper Braid  
Material 2 Silver Plated Copper Braid  
Diameter, in [mm] 0.156 [3.96]

### Jacket:

Material FEP  
Diameter, in [mm] 0.195 [4.95]  
Color Tan  
One Time Minimum Bend Radius, in [mm] 0.984 [24.99]  
Repeated Minimum Bend Radius, in [mm] 2 [50.8]  
Weight, lbs/ft [Kg/m] 0.046 [0.07]

### Compliance Certifications

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

### Plotted and Other Data

Notes: Values at 25 °C, sea level

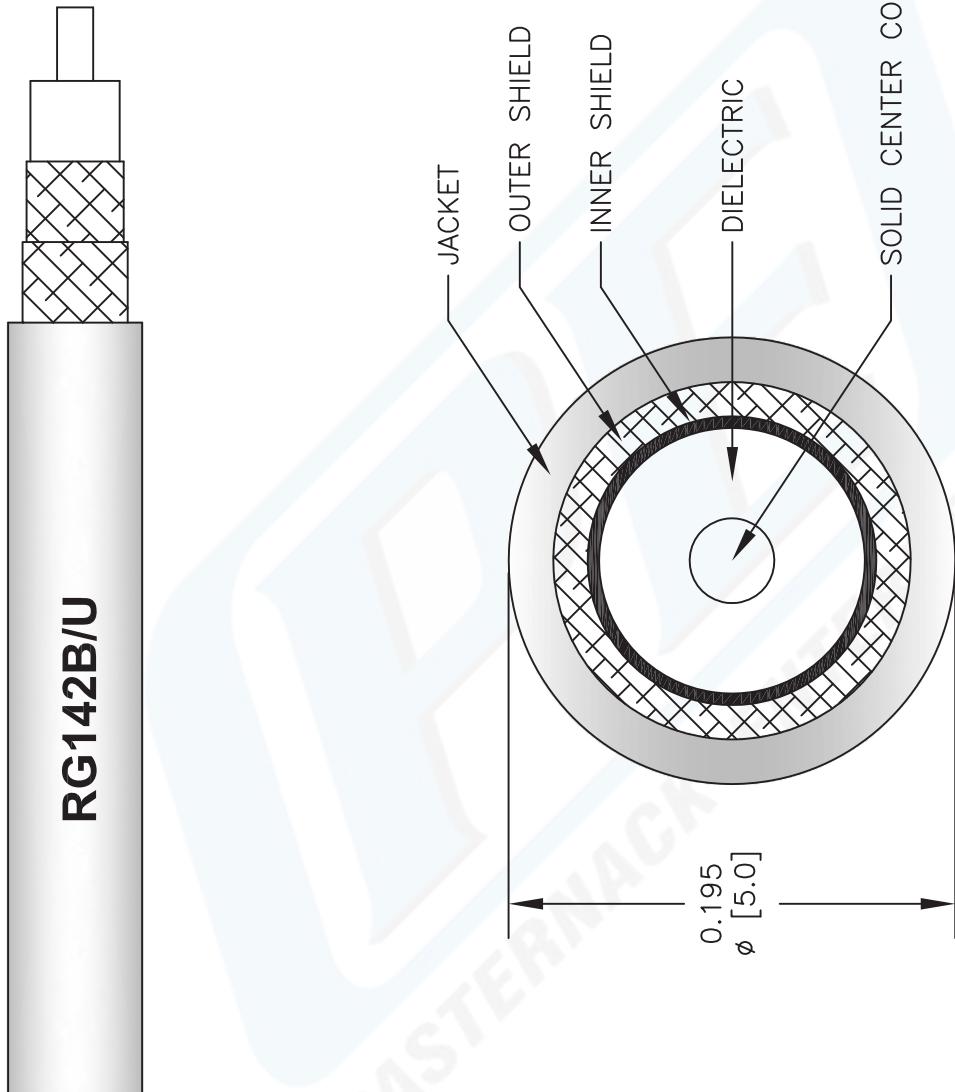
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP 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.

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.

# RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



**RG142B/U**

DWG TITLE

**RG142B/U**

**PE PASTERNACK**  
Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623  
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)

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].

FSM NO.	CAD FILE	SCALE	SIZE	REV
53919	022808-A	N/A	A	2233