

SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400



RF Connectors Technical Data Sheet

PE4497

Configuration

- SHV Plug Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG55, RG142, RG223, RG400

Features

- Max. Operating Frequency 300 MHz
- Gold Plated Brass Contact

- 30 μ inches minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4497 SHV plug connector with crimp/solder attachment for RG55, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz.

Our SHV plug connector PE4497 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		300	MHz
Operating Voltage (AC)			1,400	Vrms

Mechanical Specifications

Size

Length

1.78 in [45.21 mm]

Width/Dia.

0.571 in [14.50 mm]

Weight

0.027 lbs [12.25 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4497](#)

SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400



RF Connectors Technical Data Sheet

PE4497

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ inches minimum
Insulation	Teflon	
Body	Brass	Nickel 100 μ inches minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 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.

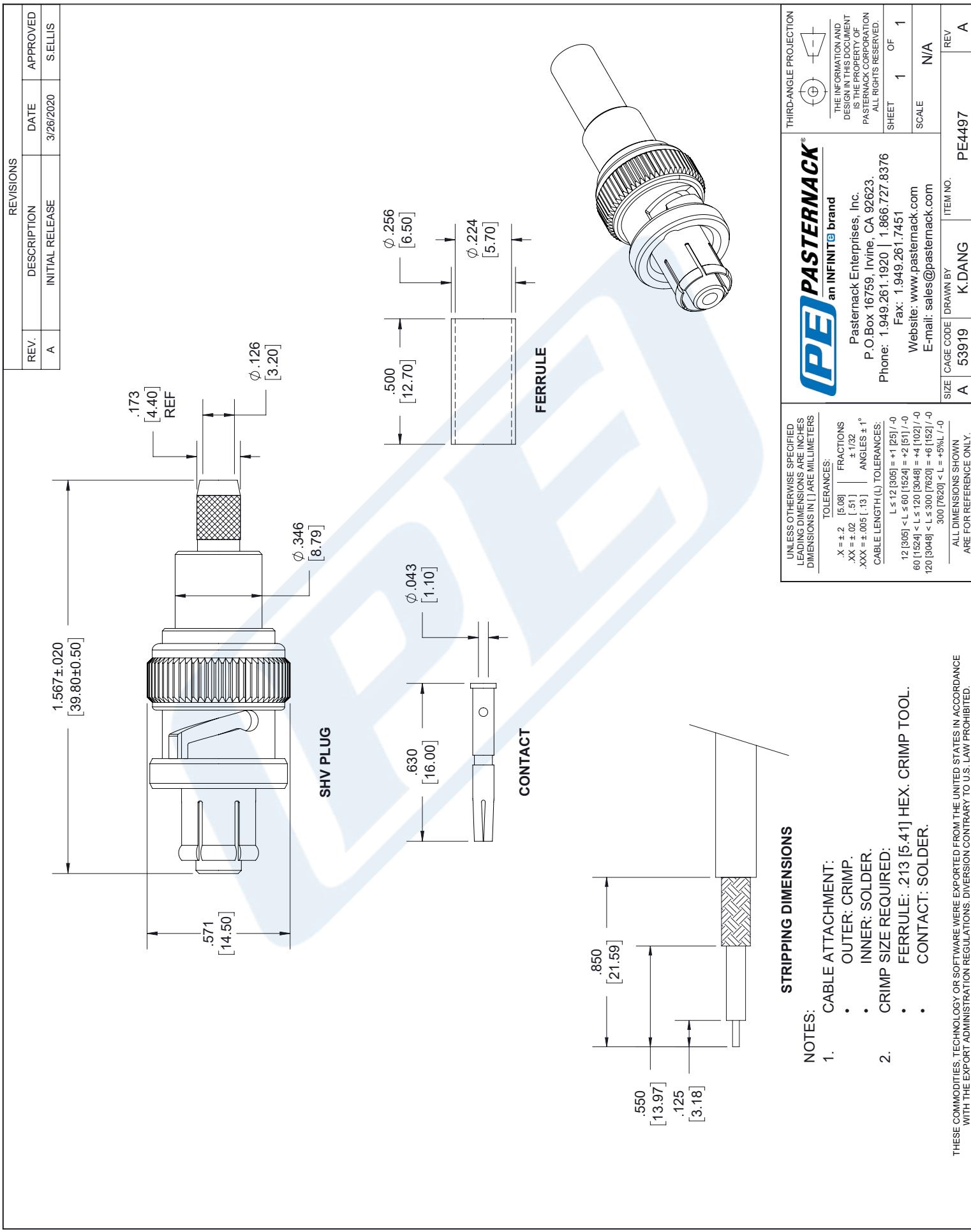
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4497](#)

URL: <https://www.pasternack.com/shv-plug-rg55-rg142-rg223-rg400-connector-pe4497-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.

PE4497 CAD Drawing

SHV Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400





HN Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4477

Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- RG55, RG142, RG223, RG400, RG141 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 10 GHz
- Gold Plated Brass Contact

- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4477 HN male 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 HN male connector operates up to a maximum frequency of 10 GHz.

Our HN male connector PE4477 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)			1,500	Vrms

Mechanical Specifications

Size

Length

1.613 in [40.97 mm]

Width/Dia.

0.9 in [22.86 mm]

Weight

0.094 lbs [42.64 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4477](#)



HN Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4477

Material Specifications

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

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

HN Male 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.

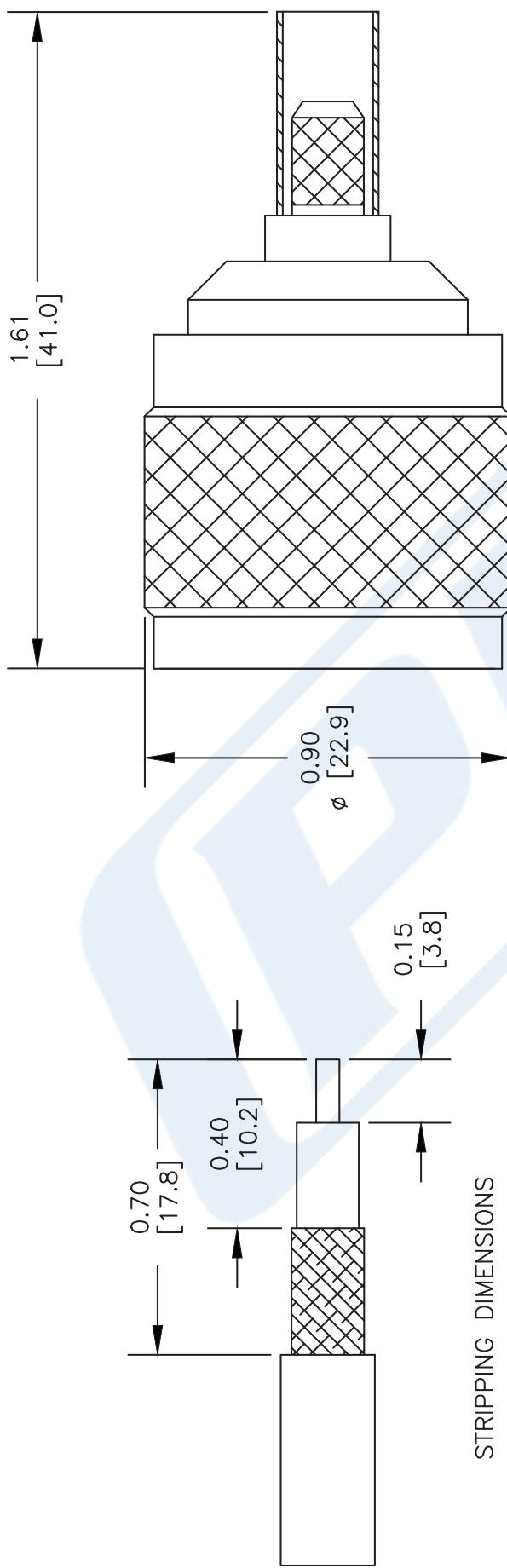
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4477](#)

URL: <https://www.pasternack.com/hn-male-standard-rg55-rg142-rg223-rg400-connector-pe4477-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.

PE4477 CAD Drawing

HN Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



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.

PASTERNAK®	DWG TITLE	PE4477		
REV. -	FSCM NO.	53919	CAD FILE	051602
		SCALE N/A	SCALE N/A	SIZE A
				2233

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG142B/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	70			dB
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (DC)			5,000	Vdc
Inner Conductor DC Resistance		65		Ohms/1000ft
Outer Conductor DC Resistance		9		Ohms/1000ft
Nominal Capacitance		96.45 [316.44]		pF/ft [pF/m]
Insulation Resistance	5,000			MOhms/1000ft
Power@ 1GHz			395	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3	5	GHz
Attenuation, Typ	3.9	7.9	12.9	23.9	32.1	dB/100ft
	12.8	25.92	42.32	78.41	105.31	dB/100m
Description	F6	F7	F8	F9	F10	Units
Frequency	6	8				GHz
Attenuation, Typ	36.86	44.17				dB/100ft
	120.93	144.91				dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.042 lbs/ft [0.06 kg/m]

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](#)



Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG142B/U

Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.97 in [50.04 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	[]
Second Shield	Silver Plated Copper Braid	0.156 in [3.96 mm]
Jacket	FEP, Tan	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
Installation Range	-20 to +50 deg C
Storage Range	0 to +40 deg C

Humidity

0 - 80% Relative Humidity

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

Plotted and Other Data

Notes:

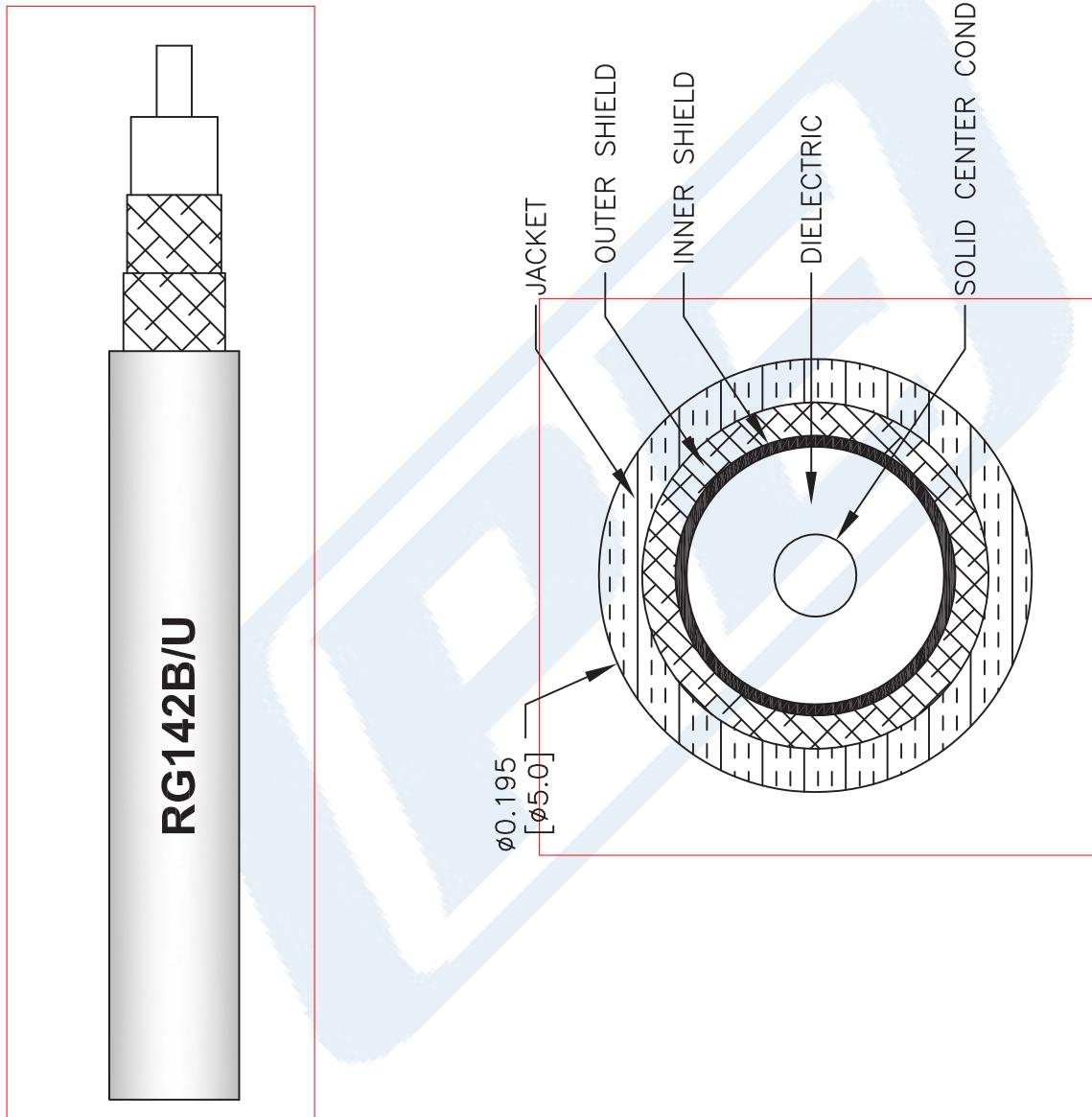
Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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

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

RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE
RG142B/U

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