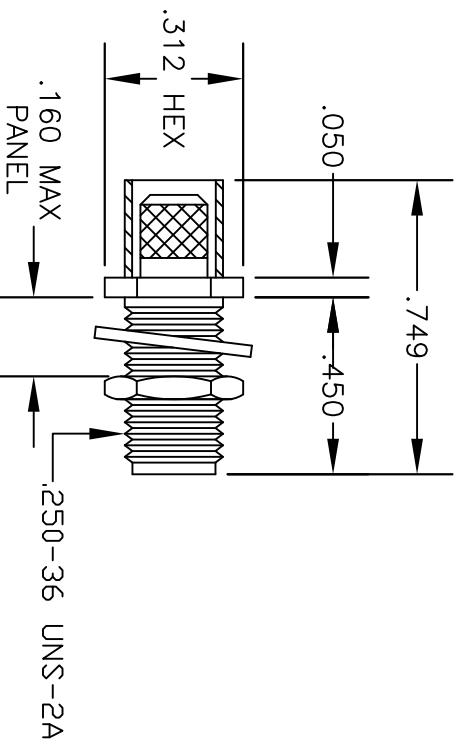


MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
FERRULE	GOLD PLATED



MOUNTING HOLE

CONTACT: SOLDER
FERRULE: SOLDER



PASTERNACK ENTERPRISES, INC.

P.O. BOX 16759, IRVINE, CA 92623

PHONE (949) 261-1920 FAX (949) 261-7451

WEB ADDRESS: www.pasternack.com

E-MAIL ADDRESS: sales@pasternack.com

COAXIAL & FIBER OPTICS

DWG TITLE

PE4353

ESTABLISHED 1972

DES. SMA FEMALE, BULKHEAD, SOLDER

ATTACHMENT FOR RG55, RG58, RG142,
RG223 & RG400

SIZE A

FSCM NO.

53919

CAD FILE

050802

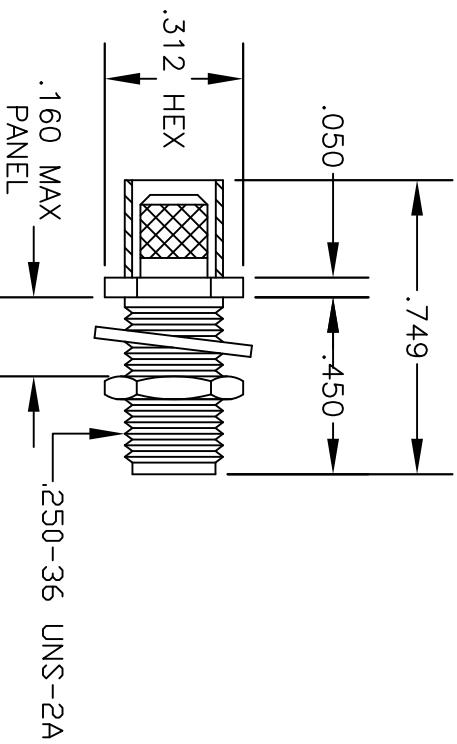
SCALE N/A

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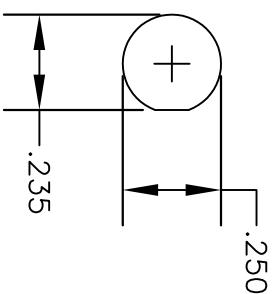
STRIPPING DIMENSIONS

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
FERRULE	GOLD PLATED



MOUNTING HOLE



CONTACT: SOLDER
FERRULE: SOLDER



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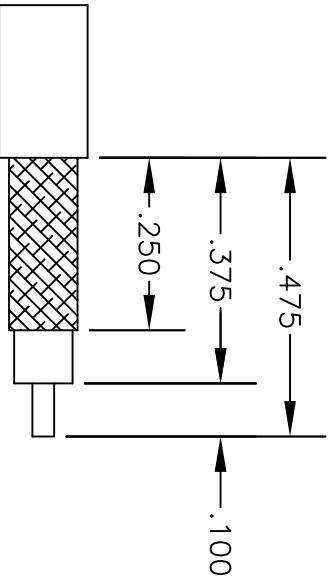
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SIZE A	FSCM NO.	CAD FILE	SCALE N/A	127
	53919	050802		

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 for current document)
RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

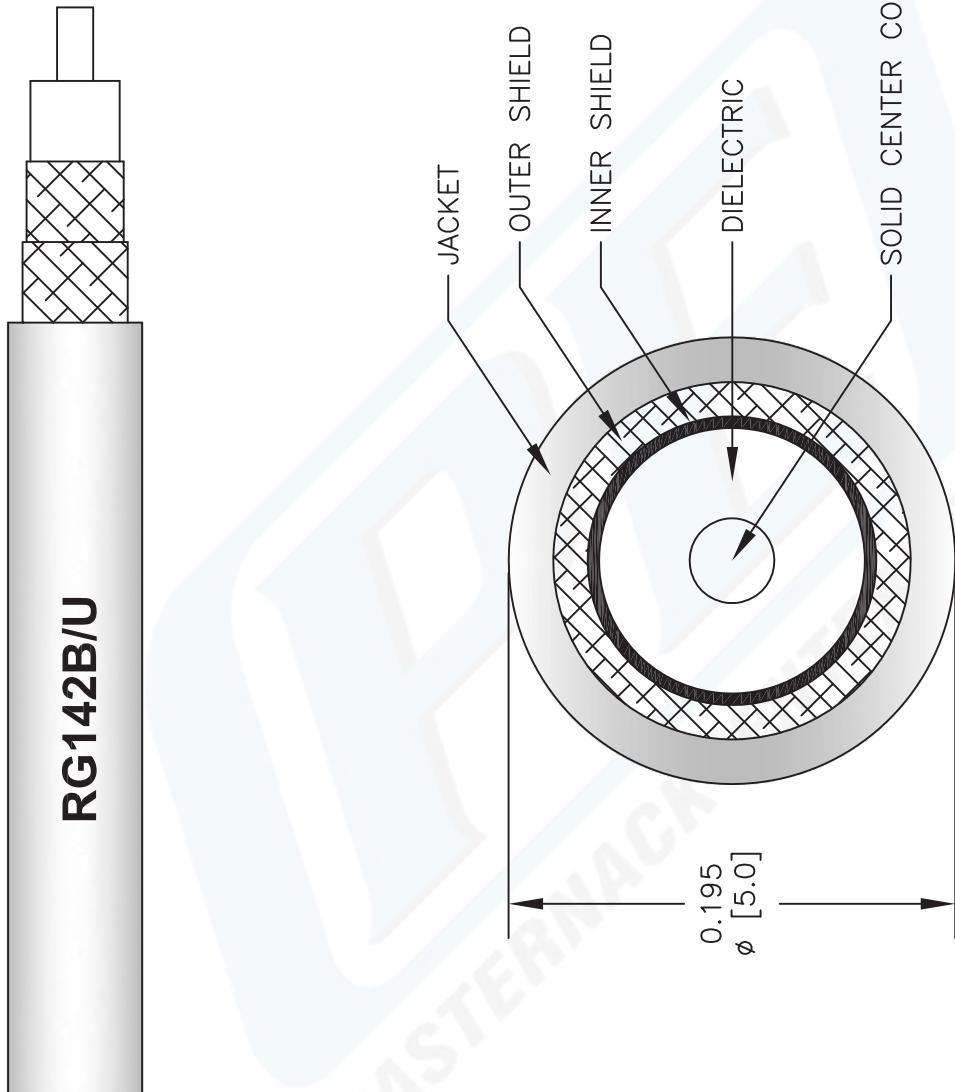
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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.

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NOTES:
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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