PASTERNACK
an INFINITE brand

7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 100CM

TECHNICAL DATA SHEET PE37497/HS-100CM

Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: SC Male
- Cable Type: RG393
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37497/HS-100CM 7/16 DIN male to SC male 100 cm cable using RG393 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack 7/16 DIN to SC cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE37497/HS-100CM 7/16 DIN male to SC male cable assembly operates to 6 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 100CM PE37497/HS-100CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.3	0.35	0.45	0.62	0.99	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	39.3701 in [100 cm]
Weight	0.818 lbs [371.04 g]

Cable

Cable Type	RG393
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.39 in [9.91 mm]
Repeated Minimum Bend Radius	3.9 in [99.06 mm]

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male Threaded	SC Male Threaded
Specification	IEC 169-4	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30 µin minimum	200 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size	32 mm	
Torque	18.417 ft-lbs [24.97 Nm]	

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration: **PE37497/HS - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE37497/HS — Base Number

Example: PE37497/HS-12 = 12 inches long cable
PE37497/HS-100cm = 100 cm long cable

7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 100CM 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: 7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 100CM PE37497/HS-100CM

URL: https://www.pasternack.com/7-16-din-male-sc-male-rg393u-cable-assembly-pe37497-hs-100cm-p.aspx

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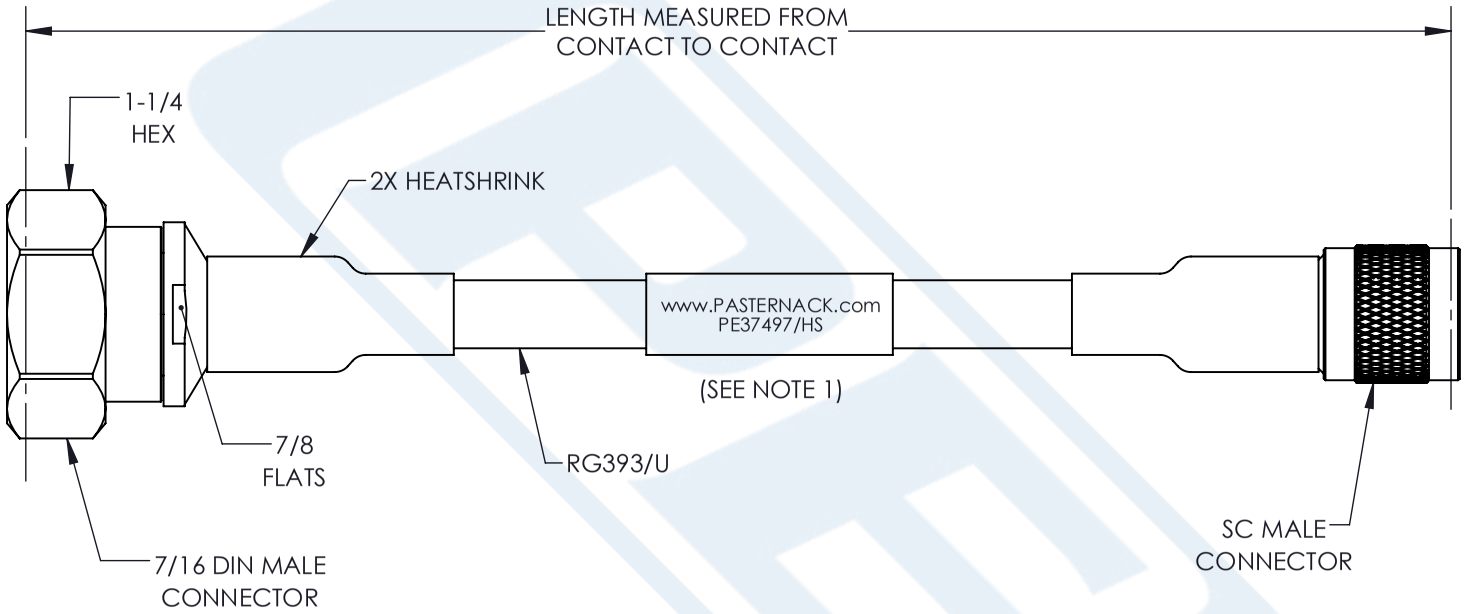
PE37497/HS-100CM CAD Drawing

7/16 DIN Male to SC Male Cable Using RG393 Coax with HeatShrink in 100CM

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/10/2022	AGANWANI



NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] | FRACTIONS ± 1/32
.XX = ± .02 [.51] | ANGLES ± 1°
.XXX = ± .005 [.13]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	BPUCHASKI	PE37497/HS	A