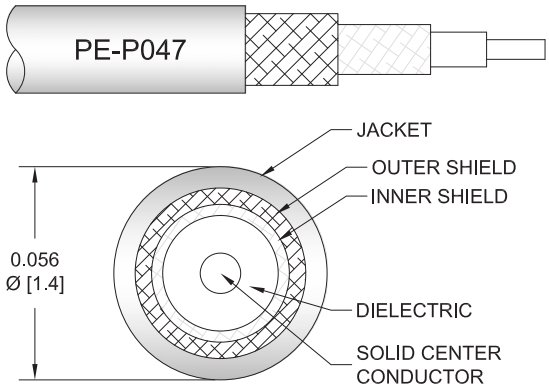
Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink



PE3C4621/HS-24

Configuration

- Connector 1: Mini SMP Female
- Connector 2: Mini SMP Female
- Cable Type: PE-P047
- Coax Flex Type: Flexible



Features

- Max Frequency 50 GHz
- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C4621/HS-24 Mini SMP female to Mini SMP female 24 inch cable using PE-P047 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 Mini SMP to Mini SMP cable assembly has a female to female gender configuration with 50 ohm flexible PE-P047 coax. The PE3C4621/HS-24 Mini SMP female to Mini SMP female cable assembly operates to 50 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		50	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	90			dB
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	50	GHz

© 2023 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink



PE3C4621/HS-24

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 0.04xSQRT(FGHz)dB max up to 26.5 GHz per connector.

Mechanical Specifications

Cable Assembly

Length	24 in [609.6 mm]
Width/Diameter	0.5 in [12.7 mm]
Weight	0.079 lbs [35.83 g]

Cable

Cable Type	PE-P047
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	FEP
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Blue
Jacket Diameter	0.056 in [1.42 mm]
One Time Minimum Bend Radius	0.2 in [5.08 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female	Mini SMP Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold

Mechanical Specification Notes:
Mating cycles: 500 (smooth bore), 100 (full detent) minimum

Environmental Specifications

Operating Range Temperature	-55 to +155 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition A
Vibration	MIL-STD-202, Method 204, Condition A
Thermal Shock	MIL-STD-202, Method 107, Condition B

© 2023 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink



PE3C4621/HS-24

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration: **PE3C4621/HS - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C4621/HS — Base Number

Example: PE3C4621/HS-12 = 12 inches long cable
PE3C4621/HS-100cm = 100 cm long cable

Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink 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: Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink PE3C4621/HS-24

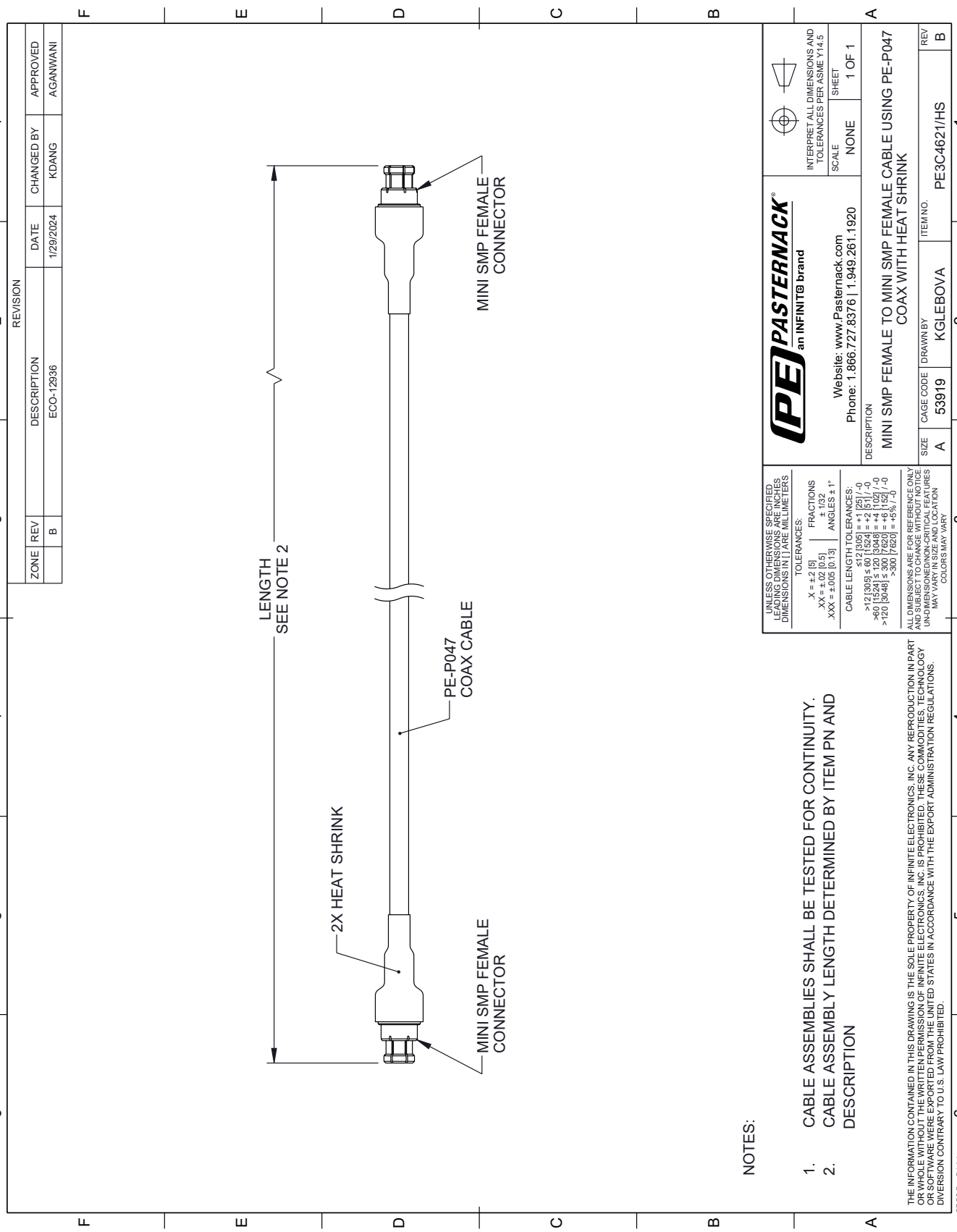
URL: https://www.pasternack.com/mini-smp-female-to-mini-smp-female-cable-24-inch-length-using-pe-p047-with-heatshrink-pe3c4621-hs-24-p.aspx

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

© 2023 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

PE3C4621/HS-24 CAD Drawing

Mini SMP Female to Mini SMP Female Cable 24 Inch Length Using PE-P047 Coax with HeatShrink



© 2023 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.