

Mini SMP Female Right Angle to SMP Female Cable Using PE-P047 Coax with HeatShrink



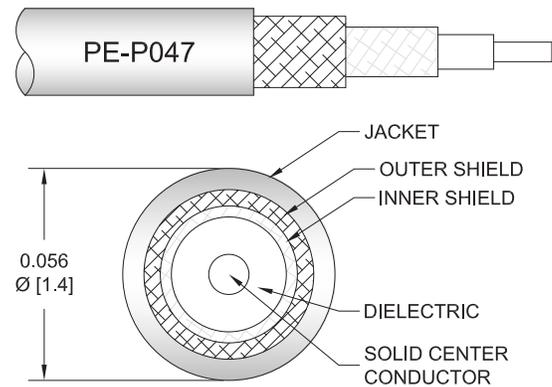
PE3C6426/HS

Configuration

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

Features

- Max Frequency 12 GHz
- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6426/HS Mini SMP female right angle to SMP female 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 SMP cable assembly has a female to female gender configuration with 50 ohm flexible PE-P047 coax. The PE3C6426/HS Mini SMP female to SMP female cable assembly operates to 12 GHz. The right angle Mini SMP interface on the PE-P047 cable allows for easier connections in tight spaces. 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		12	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	90			dB
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

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PE3C6426/HS

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	1000	2500	5000	12000	
PE3C6426/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.335	0.539	0.787	1.326	dB/ft	
			1.1	1.77	2.59	4.36	dB/m	
PE3C6426/HS-6	6 In	Insertion Loss (Typ.)	0.47	0.57	0.7	0.97	dB	0.011
PE3C6426/HS-12	12 In	Insertion Loss (Typ.)	0.64	0.84	1.09	1.63	dB	0.012
PE3C6426/HS-24	24 In	Insertion Loss (Typ.)	0.97	1.38	1.88	2.96	dB	0.015
PE3C6426/HS-36	36 In	Insertion Loss (Typ.)	1.31	1.92	2.67	4.28	dB	0.018
PE3C6426/HS-48	48 In	Insertion Loss (Typ.)	1.64	2.46	3.45	5.61	dB	0.021

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.2 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.012 pounds
 Additional Weight per Inch: 0.00025 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.00873 lbs [3.96 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]

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Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female Right Angle	SMP Female
Specification	MIL-STD-348A	DESC 94008
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Gold	Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204

Environmental Specifications

Operating Range Temperature -55 to +125 deg C

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

Plotted and Other Data

Notes:

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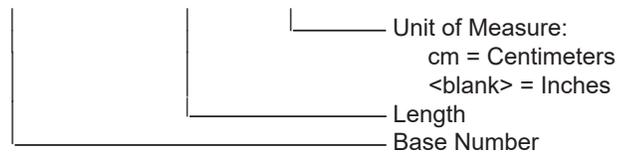
PE3C6426/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3C6426/HS - xx uu



Example: PE3C6426/HS-12 = 12 inches long cable
PE3C6426/HS-100cm = 100 cm long cable

Mini SMP Female Right Angle to SMP Female Cable 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.

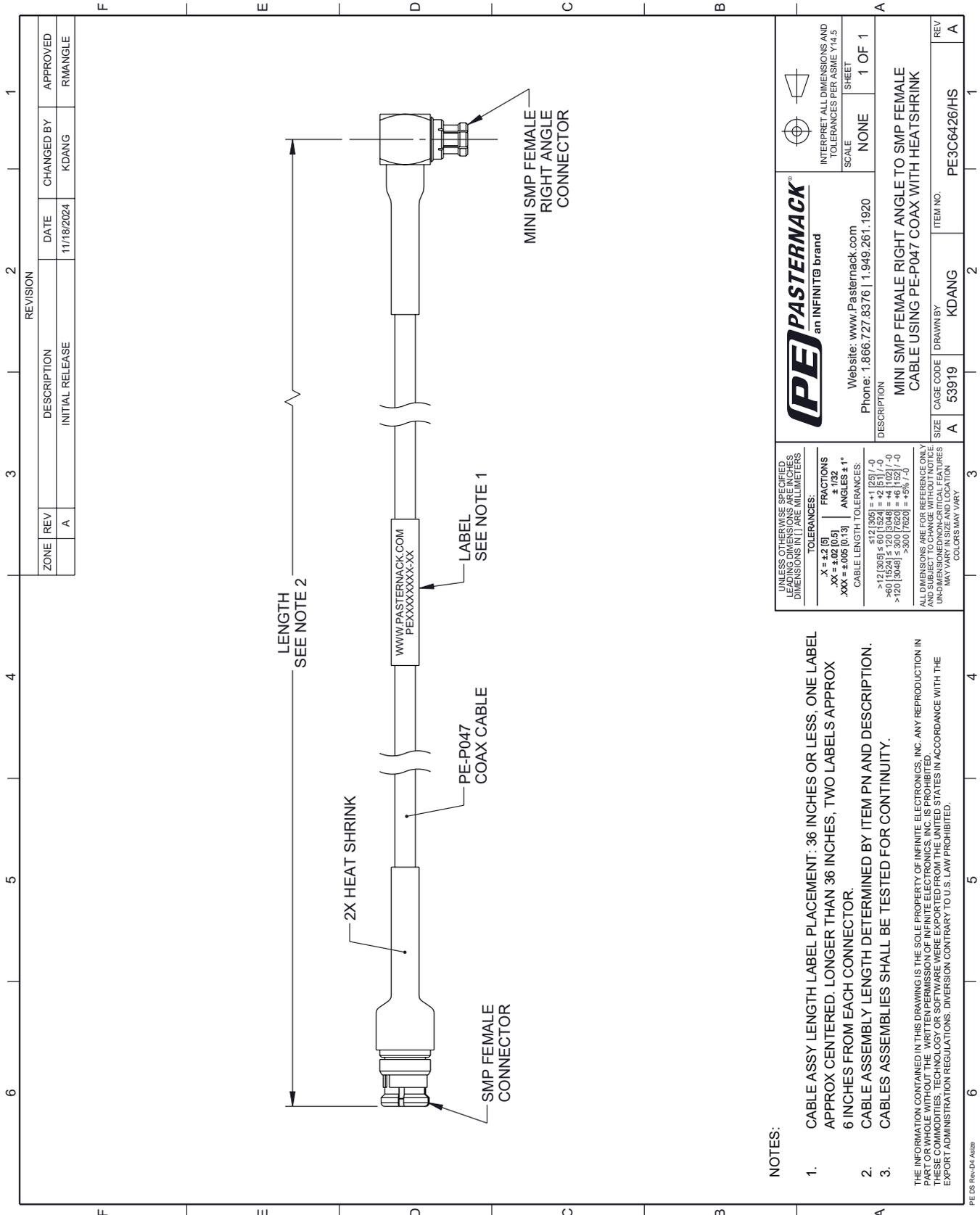
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Right Angle to SMP Female Cable Using PE-P047 Coax with HeatShrink PE3C6426/HS](#)

URL: <https://www.pasternack.com/mini-smp-female-right-angle-to-smp-female-cable-using-pe-p047-with-heatshrink-pe3c6426-hs-p.aspx>

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PE3C6426/HS CAD Drawing

Mini SMP Female Right Angle to SMP Female Cable Using PE-P047 Coax with HeatShrink



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	11/18/2024	KDANG	RMANGLE
DESCRIPTION				
INITIAL RELEASE				

PE PASTERNAK
an INFINITB brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND UNLEADING DIMENSIONS IN MILLIMETERS

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 ≤ 12 [305] ± .60 [1524] = ± 2 [51] / -0
 > 12 [305] ≤ 60 [1524] = ± 4 [102] / -0
 > 60 [1524] ≤ 120 [3048] = ± 4 [102] / -0
 > 120 [3048] ≤ 300 [7620] = ± 5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE NON-CRITICAL FEATURES
 MAY VARY IN SIZE AND LOCATION
 COLORS MAY VARY

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE
 SHEET 1 OF 1

DESCRIPTION
 MINI SMP FEMALE RIGHT ANGLE TO SMP FEMALE CABLE USING PE-P047 COAX WITH HEATSHRINK

CAGE CODE 53919
 DRAWN BY KDANG
 ITEM NO. PE3C6426/HS

REV A

- NOTES:**
- CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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