

SMPS Female to SMA Female VITA 67.3 Cable Using PE-P047HF Coax

PE3W21413

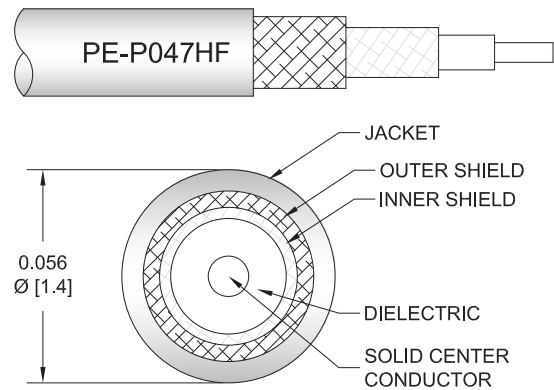


Configuration

- Connector 1: SMPS Female
- Connector 2: SMA Female
- Cable Type: PE-P047HF
- Coax Flex Type: High Flex

Features

- Max Frequency 18 GHz
- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W21413 SMPS female to SMA female cable using PE-P047HF coax is part of our full line of RF components available for same-day shipping. This Pasternack SMPS to SMA cable assembly has a female to female gender configuration with 50 ohm high flex PE-P047HF coax. The PE3W21413 SMPS female to SMA female cable assembly operates to 18 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		18	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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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	18000	MHz	
PE3W21413	Custom Lengths Available	Insertion Loss (Typ.)	0.35	0.488	0.763	1.107	1.681	dB/ft	
			1.15	1.61	2.51	3.64	5.52	dB/m	
PE3W21413-6	6 In	Insertion Loss (Typ.)	0.38	0.45	0.59	0.76	1.05	dB	0.01
PE3W21413-9	9 In	Insertion Loss (Typ.)	0.47	0.57	0.78	1.04	1.47	dB	0.011
PE3W21413-12	12 In	Insertion Loss (Typ.)	0.55	0.69	0.97	1.31	1.89	dB	0.012
PE3W21413-18	18 In	Insertion Loss (Typ.)	0.73	0.94	1.35	1.87	2.73	dB	0.014
PE3W21413-24	24 In	Insertion Loss (Typ.)	0.9	1.18	1.73	2.42	3.57	dB	0.016

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: 0.1 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.0114 pounds
 Additional Weight per Inch: 0.00034 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.012 lbs [5.44 g]

Cable

Cable Type PE-P047HF
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Tape
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Blue
 Jacket Diameter 0.06 in [1.52 mm]
 Repeated Minimum Bend Radius 0.1 in [2.54 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMPS Female	SMA Female
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	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	Passivated Stainless Steel	Brass, Gold
Body Plating Specification		MIL-G-45204

Environmental Specifications

Operating Range Temperature -65 to +165 deg C

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

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **PE3W21413** **- xx** **uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W21413-12 = 12 inches long cable
PE3W21413-100cm = 100 cm long cable

SMPS Female to SMA Female VITA 67.3 Cable Using PE-P047HF Coax 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: [SMPS Female to SMA Female VITA 67.3 Cable Using PE-P047HF Coax PE3W21413](#)

URL: <https://www.pasternack.com/smps-female-to-sma-female-vita-67.3-cable-using-pe-p047hf-pe3w21413-p.aspx>

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