



SMA Male to Mini SMP Female Cable Using PE-047SR Coax

TECHNICAL DATA SHEET

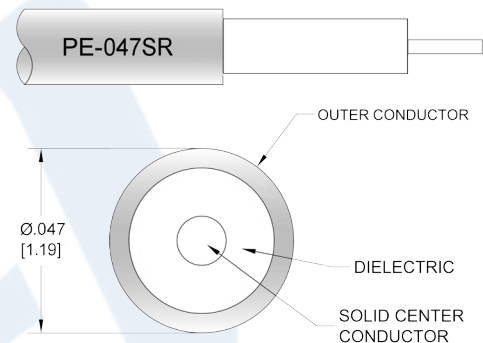
PE39285

Configuration

- Connector 1: SMA Male
- Connector 2: Mini SMP Female
- Cable Type: PE-047SR
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 10 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39285 SMA male to Mini SMP female cable using PE-047SR coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack SMA to Mini SMP cable assembly has a male to female gender configuration with 50 ohm semi-rigid PE-047SR coax. The PE39285 SMA male to Mini SMP female cable assembly operates to 10 GHz.

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: [SMA Male to Mini SMP Female Cable Using PE-047SR Coax PE39285](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.4:1	

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	1000	2000	4000	10000	MHz	
PE39285	Custom Lengths Available	Insertion Loss (Typ.)	0.4	0.5	0.64	1.3	dB/ft	
			1.32	1.65	2.09	4.27	dB/m	
PE39285-3	3 inch	Insertion Loss (Typ.)	0.18	0.21	0.24	0.41	dB	0.011
PE39285-6	6 inch	Insertion Loss (Typ.)	0.28	0.33	0.4	0.73	dB	0.012
PE39285-12	12 inch	Insertion Loss (Typ.)	0.48	0.58	0.72	1.38	dB	0.014
PE39285-18	18 inch	Insertion Loss (Typ.)	0.68	0.83	1.04	2.03	dB	0.017
PE39285-60	60 inch	Insertion Loss (Typ.)	2.08	2.58	3.26	6.58	dB	0.031

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: $0.04 \cdot \sqrt{f(\text{GHz})}$ dB

Loss due to Connector 2: $0.04 \cdot \sqrt{f(\text{GHz})}$ dB

Base Weight: 0.014 pounds

Additional Weight per Inch: 0.00034 pounds

Mechanical Specifications

Cable Assembly

Weight 0.014 lbs [6.35 g]

Cable

Cable Type PE-047SR
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Copper

One Time Minimum Bend Radius 0.5 in [12.7 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	Mini SMP Female Push-On
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Body Plating Specification	50 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	50 µin minimum	
Hex Size	5/16 in	
Torque	10 in-lbs [1.13 Nm]	

Environmental Specifications

Temperature

Operating Range -55 to +100 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:

PE39285

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE39285-12 = 12 inches long cable
PE39285-100cm = 100 cm long cable

SMA Male to Mini SMP Female Cable Using PE-047SR 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.

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URL: <https://www.pasternack.com/sma-male-to-mini-smp-female-cable-using-pe-047sr-pe39285-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

