

Reverse Polarity SMA Jack Bulkhead to MMCX Plug Cable Using PE-P086 Coax



PE3C3042

Configuration

- Connector 1: SMA Jack Reverse Polarity Bulkhead
- Connector 2: MMCX Plug
- Cable Type: PE-P086
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

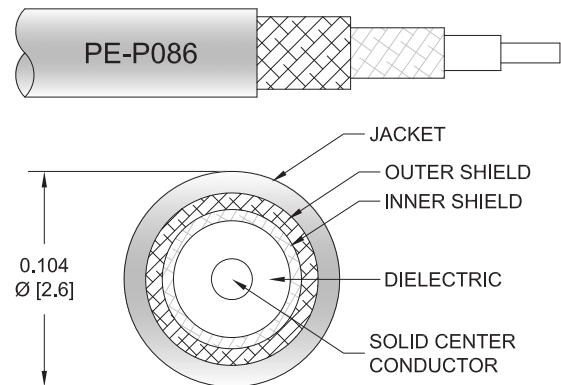
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3042 reverse polarity SMA jack bulkhead to MMCX plug cable using PE-P086 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 reverse polarity SMA to MMCX cable assembly has a jack to plug gender configuration with 50 ohm flexible PE-P086 coax. The PE3C3042 reverse polarity SMA jack to MMCX plug cable assembly operates to 6 GHz. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 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		6	
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3C3042	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.11	0.211	0.338	0.551	dB/ft	
			0.18	0.35	0.7	1.11	1.81	dB/m	
PE3C3042-6	6 inch	Insertion Loss (Typ.)	0.23	0.26	0.31	0.37	0.48	dB	0.023
PE3C3042-12	12 inch	Insertion Loss (Typ.)	0.26	0.31	0.42	0.54	0.76	dB	0.029
PE3C3042-24	24 inch	Insertion Loss (Typ.)	0.31	0.42	0.63	0.88	1.31	dB	0.043
PE3C3042-36	36 inch	Insertion Loss (Typ.)	0.36	0.52	0.84	1.22	1.86	dB	0.056
PE3C3042-48	48 inch	Insertion Loss (Typ.)	0.42	0.63	1.05	1.56	2.41	dB	0.069

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:	0.029 pounds
Additional Weight per Inch:	0.00109 pounds

Mechanical Specifications

Cable Assembly

Weight	0.029 lbs [13.15 g]
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Cable

Cable Type	PE-P086
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, 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	0.104 in [2.64 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Jack Reverse Polarity Bulkhead	MMCX Plug
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold over Nickel	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold over Nickel	Brass, Gold

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Environmental Specifications

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3C3042 - xx uu

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

Example: PE3C3042-12 = 12 inches long cable
PE3C3042-100cm = 100 cm long cable

Reverse Polarity SMA Jack Bulkhead to MMCX Plug Cable Using PE-P086 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: [Reverse Polarity SMA Jack Bulkhead to MMCX Plug Cable Using PE-P086 Coax PE3C3042](#)

URL: <https://www.pasternack.com/reverse-polarity-sma-jack-bulkhead-to-mmcx-plug-cable-using-pe-p086-pe3c3042-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 implement 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.

PE3C3042 CAD Drawing
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