

UMCX Plug Right Angle to Reverse Polarity SMA Female Bulkhead Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3C0827

Configuration

- Connector 1: UMCX Plug Right Angle
- Connector 2: SMA Female Reverse Polarity Bulkhead
- Cable Type: RG178

Features

- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0827 UMCX plug right angle to reverse polarity SMA female bulkhead cable using RG178 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 UMCX to reverse polarity SMA cable assembly has a plug to female gender configuration with 50 ohm flexible RG178 coax. The right angle UMCX interface on the RG178 cable allows for easier connections in tight spaces. 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.

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
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.012 lbs [5.44 g]

Cable

Cable Type RG178
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UMCX Plug Right Angle to Reverse Polarity SMA Female Bulkhead Cable Using RG178 Coax PE3C0827](#)

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Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	UMCX Plug Right Angle	SMA Female Reverse Polarity Bulkhead
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating		Brass, Gold
Dielectric Type		PTFE
Body Material and Plating		Brass, Gold

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C0827

- **xx**

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

Example: PE3C0827-12 = 12 inches long cable
PE3C0827-100cm = 100 cm long cable

UMCX Plug Right Angle to Reverse Polarity SMA Female Bulkhead Cable Using RG178 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/umcx-plug-right-angle-to-reverse-polarity-sma-female-bulkhead-cable-using-rg178-pe3c0827-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.

PE3C0827 CAD Drawing

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