PASTERNACK
an INFINITE brand



Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet PE3C9323

Configuration

- Connector 1: MCX Female Reverse Polarity Bulkhead
- Connector 2: SMA Female
- Cable Type: RG178

Features

- Max Frequency 2 GHz
- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9323 reverse polarity MCX female bulkhead to SMA female 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 reverse polarity MCX to SMA cable assembly has a female to female gender configuration with 50 ohm flexible RG178 coax. The PE3C9323 reverse polarity MCX female to SMA female cable assembly operates to 2 GHz. Our RF cable assembly with MCX 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax PE3C9323

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet PE3C9323

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.4	0.5	2	GHz
Insertion Loss (Typ.)	0.138	0.208	0.278	0.305	0.614	dB/ft
	0.45	0.68	0.91	1	2.01	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight	0.024 lbs [10.89 g]

Cable

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

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax PE3C9323

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet PE3C9323

Connectors

Description	Connector 1	Connector 2
Type	MCX Female Reverse Polarity Bulkhead	SMA Female
Specification	MIL-C-39012	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30µ in minimum	MIL-G-45204
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	10µ in minimum	QQ-N-290

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax PE3C9323

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet PE3C9323

How to Order

Part Number Configuration: **PE3C9323 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C9323 — Base Number

Example: PE3C9323-12 = 12 inches long cable
PE3C9323-100cm = 100 cm long cable

Reverse Polarity MCX Female Bulkhead to SMA Female 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax PE3C9323

URL: https://www.pasternack.com/reverse-polarity-mcx-jack-bulkhead-to-sma-female-cable-using-rg178-pe3c9323-p.aspx

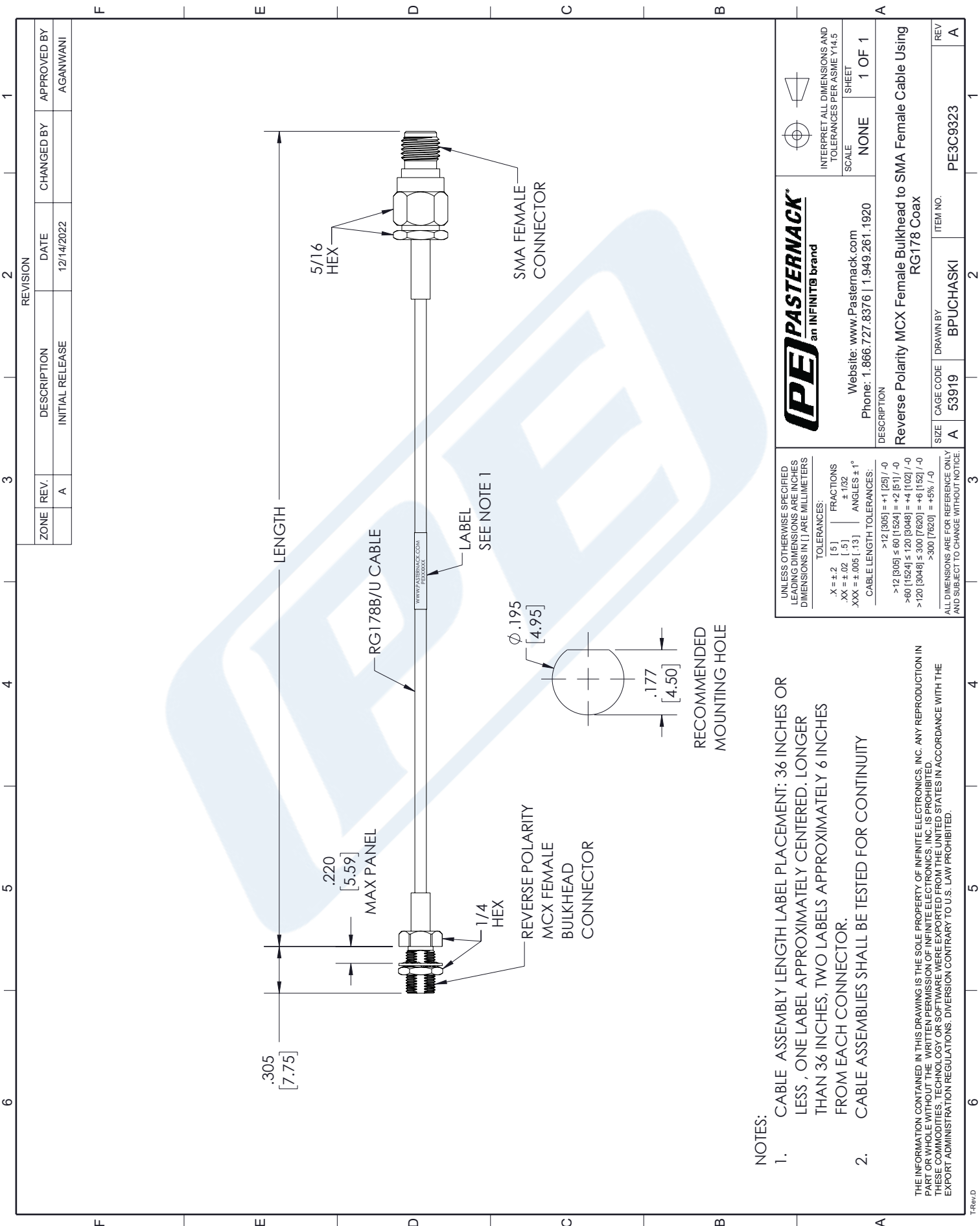
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

© 2020 Pasternack Enterprises All Rights Reserved

PE3C9323 CAD Drawing

Reverse Polarity MCX Female Bulkhead to SMA Female Cable Using RG178 Coax



© 2020 Pasternack Enterprises All Rights Reserved