



Reverse Polarity SMA Jack Bulkhead to
Reverse Polarity SMA Plug Right Angle Low Loss
Cable Using LMR-100 Coax with HeatShrink

TECHNICAL DATA SHEET

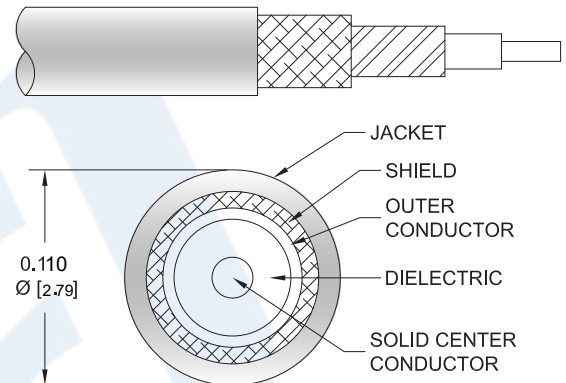
PE3C1383/HS

Configuration

- Connector 1: SMA Jack RP Bulkhead
- Connector 2: SMA Plug RP Right Angle
- Cable Type: LMR-100A
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1383/HS rp SMA jack bulkhead to rp SMA plug right angle cable using LMR-100 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 rp SMA to rp SMA cable assembly has a jack to plug gender configuration with 50 ohm flexible LMR-100A coax. The right angle SMA interface on the LMR-100A 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. 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.

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 Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink PE3C1383/HS](#)



Reverse Polarity SMA Jack Bulkhead to
Reverse Polarity SMA Plug Right Angle Low Loss
Cable Using LMR-100 Coax with HeatShrink

TECHNICAL DATA SHEET

PE3C1383/HS

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
VSWR			1.4:1	
Velocity of Propagation		66		%
RF Shielding	90			dB
Group Delay		1.54 [5.05]		ns/ft [ns/m]
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		0.077 [0.25]		uH/ft [uH/m]
DC Resistance Inner Conductor		81 [265.75]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ω /1000ft [Ω /Km]
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.035 lbs [15.88 g]

Cable

Cable Type	LMR-100A
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]
One Time Minimum Bend Radius	0.25 in [6.35 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	15 lbs [6.8 Kg]

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 Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink PE3C1383/HS](#)



Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink

TECHNICAL DATA SHEET

PE3C1383/HS

Connectors

Description	Connector 1	Connector 2
Type	SMA Jack RP Bulkhead Threaded	SMA Plug RP Right Angle Threaded
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	50 μ in minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	QQ-N-290
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		QQ-N-290
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

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 SMA Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink PE3C1383/HS](#)



Reverse Polarity SMA Jack Bulkhead to
Reverse Polarity SMA Plug Right Angle Low Loss
Cable Using LMR-100 Coax with HeatShrink

TECHNICAL DATA SHEET

PE3C1383/HS

How to Order

Part Number Configuration:

PE3C1383/HS - xx

uu

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

Example: PE3C1383/HS-12 = 12 inches long cable
PE3C1383/HS-100cm = 100 cm long cable

Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink 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 Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink PE3C1383/HS](https://www.pasternack.com/reverse-polarity-sma-jack-bulkhead-to-reverse-polarity-sma-plug-right-angle-low-loss-cable-using-lmr-100-coax-with-heatshrink-pe3c1383-hs)

URL: <https://www.pasternack.com/reverse-polarity-sma-jack-bulkhead-to-reverse-polarity-sma-plug-low-loss-cable-using-lmr-100-with-heatshrink-pe3c1383-hs-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.

PE3C1383/HS CAD Drawing

Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Right Angle
Low Loss Cable Using LMR-100 Coax with HeatShrink

F

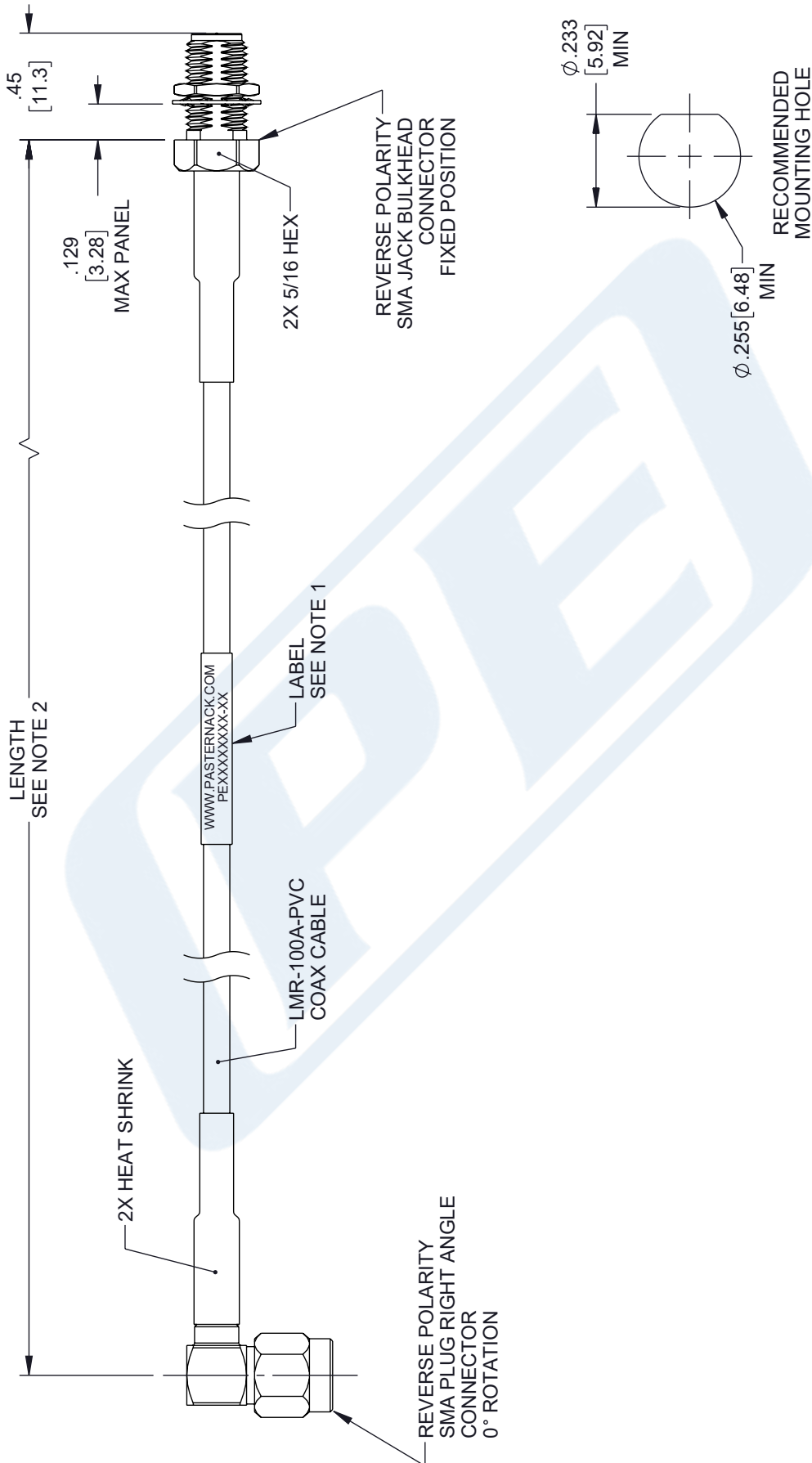
E

D

C

B

A



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-100 Coax with HeatShrink

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1

REV

A

ITEM NO.

PE3C1383/HS

SIZE

A

CAGE CODE

53919

DRAWN BY

KDANG

REVISION

1