

Reverse Polarity SMA Plug to N Female Bulkhead Low Loss Cable Using LMR-195 Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

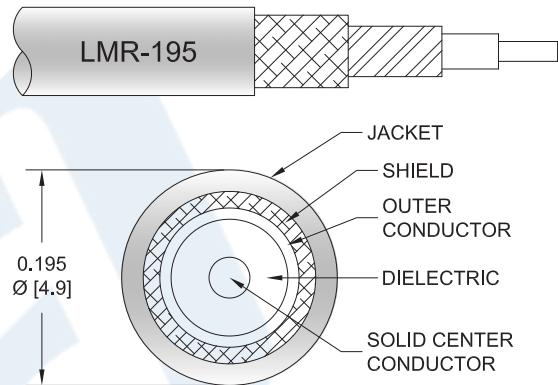
PE3C1484/HS

Configuration

- Connector 1: SMA Plug Reverse Polarity
- Connector 2: N Female Bulkhead
- Cable Type: LMR-195

Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1484/HS reverse polarity SMA plug to type N female bulkhead cable using LMR-195 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 type N cable assembly has a plug to female gender configuration with 50 ohm flexible LMR-195 coax. The PE3C1484/HS reverse polarity SMA plug to type N female cable assembly operates to 5.8 GHz. Our RF cable assembly with type N 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 Plug to N Female Bulkhead Low Loss Cable Using LMR-195 Coax with HeatShrink PE3C1484/HS](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω/1000ft [Ω/Km]
Jacket Spark			3,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.057	0.081	0.116	0.19	0.299	dB/ft
	0.19	0.27	0.38	0.62	0.98	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.314 lbs [142.43 g]
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Cable

Cable Type	LMR-195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]

One Time Minimum Bend Radius	0.5 in [12.7 mm]
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Repeated Minimum Bend Radius
Bending Moment
Flat Plate Crush
Tensile Strength

2 in [50.8 mm]
0.2 lbs-ft [0.27 N-m]
15 lbs/in [0.27 Kg/mm]
40 lbs [18.14 Kg]

Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity	N Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Phosphor Bronze, Gold
Contact Plating Specification	QQ-C-530	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	QQ-B-626	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	QQ-B-626	

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

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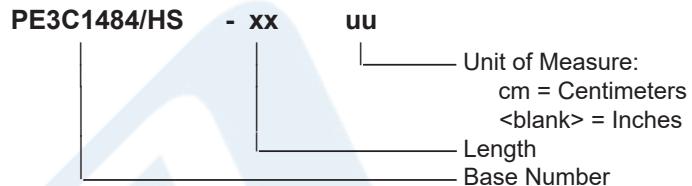


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How to Order

Part Number Configuration:



Example: PE3C1484/HS-12 = 12 inches long cable
PE3C1484/HS-100cm = 100 cm long cable

Reverse Polarity SMA Plug to N Female Bulkhead Low Loss Cable Using LMR-195 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.

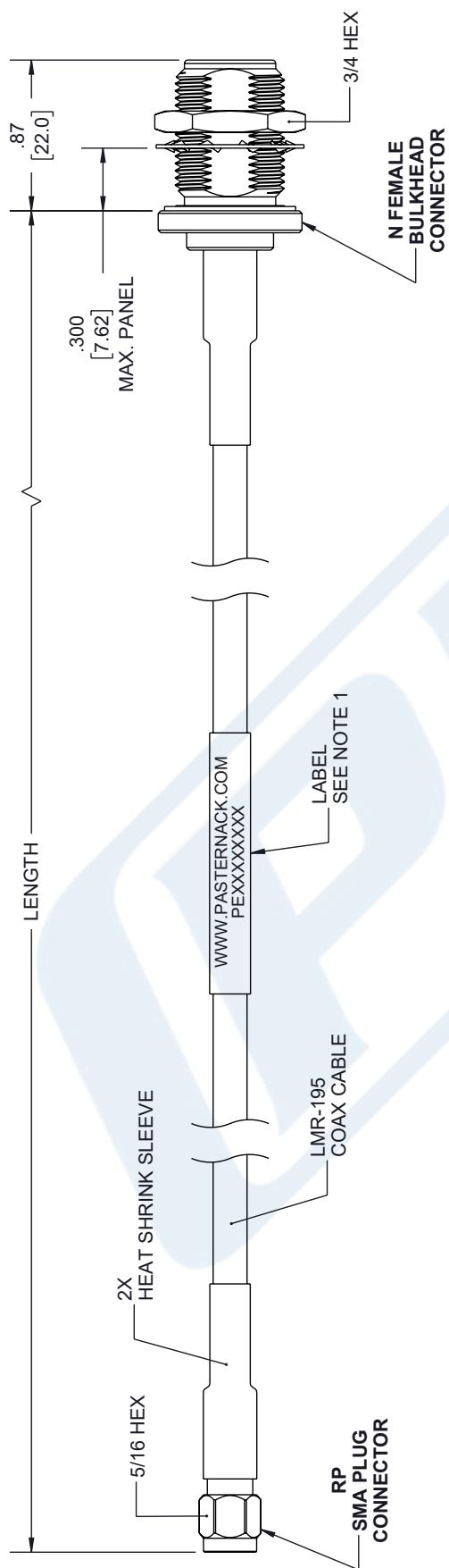
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URL: <https://www.pasternack.com/reverse-polarity-sma-plug-to-n-female-bulkhead-low-loss-cable-using-lmr-195-with-heatsrink-pe3c1484-hs-p.aspx>

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PE3C1484/HS CAD Drawing

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PE3C1484/HS REV 1.0

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.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

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 PASTERNACK® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
		SCALE	SHEET
		NONE	1 OF 1
DESCRIPTION Reverse Polarity SMA Plug to N Female Bulkhead Low Loss Cable Using LMR-195 Coax with HeatShrink		ITEM NO. PE3C1484/HS	
SIZE A	CAGE CODE 53919	DRAWN BY KDANG	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED DESIGNING DIMENSIONS ARE IN INCHES INSINCS IN [] ARE MILLIMETERS			
FRACTIONS $\frac{1}{2} = \pm .012$ $\frac{5}{16} = \pm .005$ $\frac{13}{32} = \pm .00375$ $\frac{1}{8} = \pm .0125$			
ANGLES $\pm 1^\circ$ BLEND LENGTH TOLERANCES: $>12 [305] = \pm 1 [25] / -0$ $>12 [305] \leq 60 [1524] = \pm 2 [51] / -0$ $>12 [305] \leq 120 [3048] = \pm 4 [102] / -0$ $>12 [305] \leq 300 [7620] = \pm 6 [152] / -0$ $>200 [5080] = \pm 5% / -0$			
EXTENSIONS ARE FOR REFERENCE ONLY NOT SUBJECT TO CHANGE WITHOUT NOTICE.			