



SMA Male Right Angle to MCX Plug Right Angle Cable
48 Inch Length Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34346/HS-48

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: MCX Plug Right Angle
- Cable Type: RG188
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34346/HS-48 SMA male right angle to MCX plug right angle 48 inch cable using RG188 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 SMA to MCX cable assembly has a male to plug gender configuration with 50 ohm flexible RG188 coax. The PE34346/HS-48 SMA male to MCX plug cable assembly operates to 3 GHz. The right angle SMA and right angle MCX interfaces on the RG188 cable allow for easier connections in tight spaces.

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		3	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	1.45	1.99	2.74	3.83	6.53	

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2 dB per connector.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to MCX Plug Right Angle Cable 48 Inch Length Using RG188 Coax with HeatShrink PE34346/HS-48](#)



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Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]

Weight 0.07 lbs [31.75 g]

Cable

Cable Type RG188
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 PTFE, White
Jacket Diameter 0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle Threaded	MCX Plug Right Angle Push-On
Specification	MIL-STD-348A	CECC 22220
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE34346/HS

- **xx**

uu

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

Example: PE34346/HS-12 = 12 inches long cable
PE34346/HS-100cm = 100 cm long cable

SMA Male Right Angle to MCX Plug Right Angle Cable 48 Inch Length Using RG188 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.

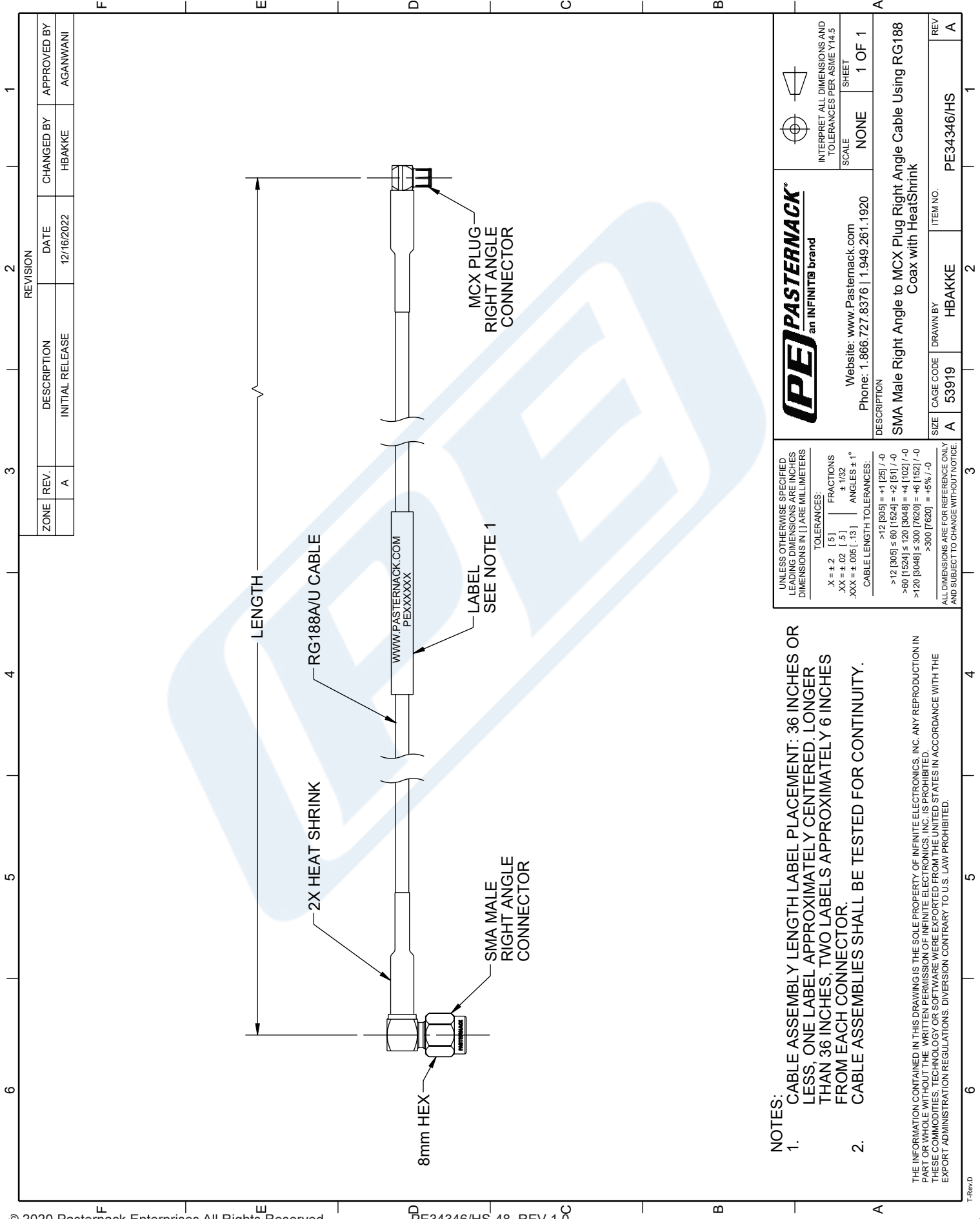
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to MCX Plug Right Angle Cable 48 Inch Length Using RG188 Coax with HeatShrink PE34346/HS-48](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-mcx-plug-cable-48-inch-length-using-rg188-with-heatshrink-pe34346-hs-48-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.

PE34346/HS-48 CAD Drawing

SMA Male Right Angle to MCX Plug Right Angle Cable 48 Inch
Length Using RG188 Coax with HeatShrink



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		P/E PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		NONE	
XX = ±.02 [.5]				SHEET	
.XXX = ±.005 [.13]				1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION			
>12 [305] = +1 [25] / -0		SMA Male Right Angle to MCX Plug Right Angle Cable Using RG188			
>12 [305] ≤ 60 [1524] = +2 [51] / -0		Coax with HeatShrink			
>60 [1524] ≤ 120 [3048] = +4 [102] / -0					
>120 [3048] ≤ 300 [7620] = +6 [192] / -0					
>300 [7620] = +5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		SIZE		REV	
		A 53919		A	
		DRAWN BY HBAKKE		ITEM NO.	
				PE34346/HS	