

BNC Male to SMA Male Right Angle Cable 50 cm  
Length Using LMR-240-UF Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

PE3W07122/HS-50CM

**Configuration**

- Connector 1: BNC Male
- Connector 2: SMA Male Right Angle
- Cable Type: LMR-240-UF

**Features**

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- TPE Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3W07122/HS-50CM BNC male to SMA male right angle 50 cm cable using LMR-240-UF 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 BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240-UF coax. The right angle SMA interface on the LMR-240-UF cable allows for easier connections in tight spaces. 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: [BNC Male to SMA Male Right Angle Cable 50 cm Length Using LMR-240-UF Coax with Heat-Shrink PE3W07122/HS-50CM](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor Km]		4.28 [14.04]		Ohms/1000ft [Ohms/
DC Resistance Outer Conductor Km]		3.89 [12.76]		Ohms/1000ft [Ohms/
Jacket Spark			5,000	Vrms

**Mechanical Specifications**

**Cable Assembly**

Length*	19.68 in [499.87 mm]
Diameter	0.57 in [14.48 mm]

**Cable**

Cable Type	LMR-240-UF
Impedance	50 Ohms
Inner Conductor Type	Stranded
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	TPE, Black
Jacket Diameter	0.24 in [6.1 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Bending Moment	0.13 lbs-ft [0.18 N-m]
Flat Plate Crush	13 lbs/in [0.23 Kg/mm]
Tensile Strength	80 lbs [36.29 Kg]

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**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	3 $\mu$ in minimum	ASTM B488
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	100 $\mu$ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	100 $\mu$ in minimum	
Hex Size		16-May Inch

**Mechanical Specification Notes:**

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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

**Plotted and Other Data**

Notes:

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## BNC Male to SMA Male Right Angle Cable 50 cm Length Using LMR-240-UF Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W07122/HS-50CM

#### How to Order

Part Number Configuration:

**PE3W07122/HS**

**- xx**

**uu**

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

Example: PE3W07122/HS-12 = 12 inches long cable  
PE3W07122/HS-100cm = 100 cm long cable

BNC Male to SMA Male Right Angle Cable 50 cm Length Using LMR-240-UF 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: [BNC Male to SMA Male Right Angle Cable 50 cm Length Using LMR-240-UF Coax with HeatShrink PE3W07122/HS-50CM](https://www.pasternack.com/bnc-male-sma-male-lmr240uf-cable-assembly-pe3w07122-hs-50cm-p.aspx)

URL: <https://www.pasternack.com/bnc-male-sma-male-lmr240uf-cable-assembly-pe3w07122-hs-50cm-p.aspx>

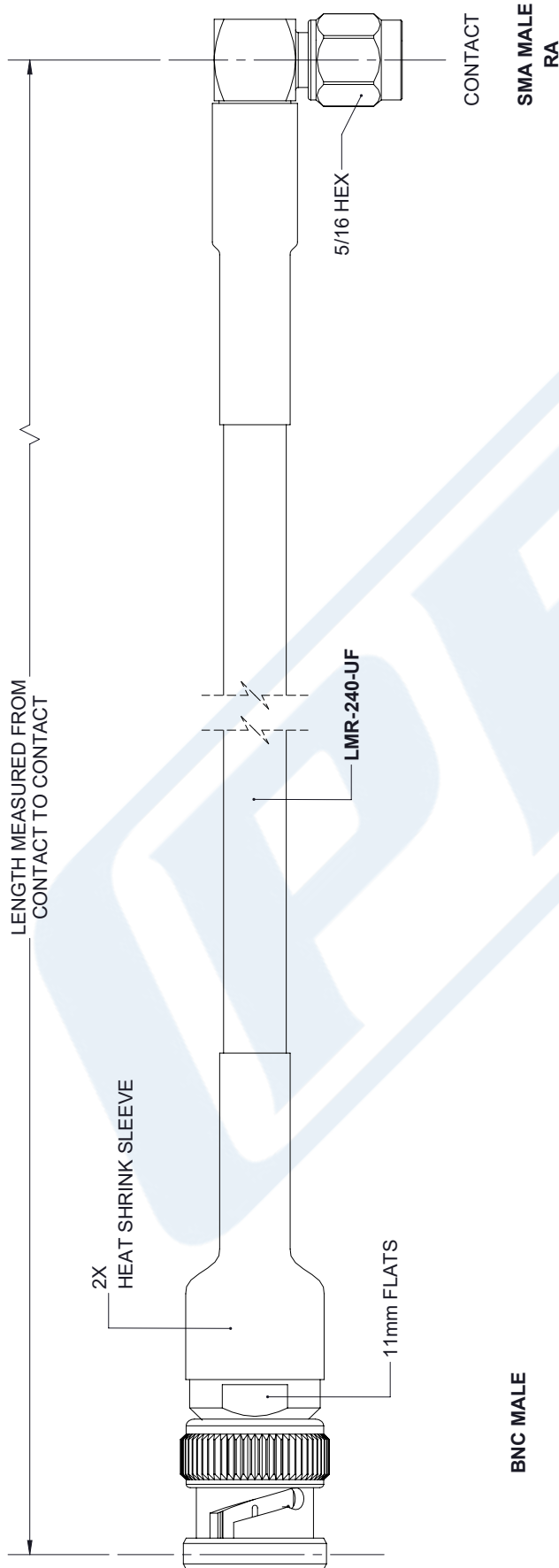
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# PE3W07122/HS-50CM CAD Drawing

## BNC Male to SMA Male Right Angle Cable 50 cm Length

### Using LMR-240-UF Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [.25]	±.132
XXX±.005 [.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITI brand	
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SIZE	PART NUMBER
A	PE3W07122/HS
CAGE	DRAWN BY
53919	K.DANG
REV	REV
	A

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SCALE	N/A

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