



## SMA Male Right Angle to MMCX Plug Cable Using PE-P047 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

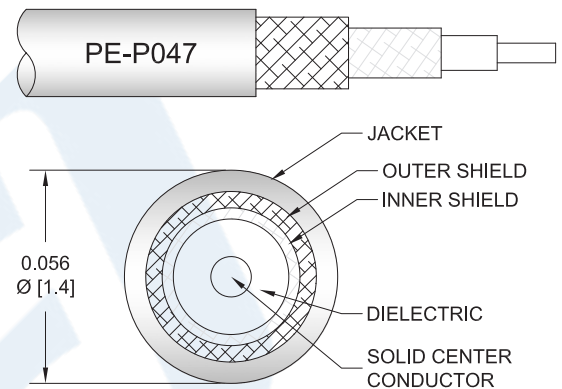
PE3C2878/HS

#### Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: MMCX Plug
- Cable Type: PE-P047

#### Features

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C2878/HS SMA male right angle to MMCX plug cable using PE-P047 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 MMCX cable assembly has a male to plug gender configuration with 50 ohm flexible PE-P047 coax. The PE3C2878/HS SMA male to MMCX plug cable assembly operates to 6 GHz. The right angle SMA interface on the PE-P047 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: [SMA Male Right Angle to MMCX Plug Cable Using PE-P047 Coax with HeatShrink PE3C2878/HS](#)



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**PE3C2878/HS**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	90			dB
Capacitance		29 [95.14]		pF/ft [pF/m]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	2.5	4	6	GHz
Insertion Loss (Typ.)	0.335	0.484	0.539	0.704	0.869	dB/ft
	1.1	1.59	1.77	2.31	2.85	dB/m

**Mechanical Specifications**

**Cable Assembly**

Weight 0.051 lbs [23.13 g]

**Cable**

Cable Type PE-P047  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type FEP  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Tape  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material FEP, Blue  
 Jacket Diameter 0.056 in [1.42 mm]

One Time Minimum Bend Radius 0.2 in [5.08 mm]  
 Repeated Minimum Bend Radius 0.4 in [10.16 mm]

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**PE3C2878/HS**

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	MMCX Plug
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204, Class 1	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Brass, Gold
Body Plating Specification	MIL-G-45204, Class 0	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	QQ-N-290, Class 1, Grade G	
Hex Size	5/16 in.	
Torque	5 in-lbs [0.57 Nm]	

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

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## SMA Male Right Angle to MMCX Plug Cable Using PE-P047 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE3C2878/HS**

#### How to Order

Part Number Configuration:

**PE3C2878/HS - xx uu**

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

Example: PE3C2878/HS-12 = 12 inches long cable  
PE3C2878/HS-100cm = 100 cm long cable

SMA Male Right Angle to MMCX Plug Cable Using PE-P047 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.

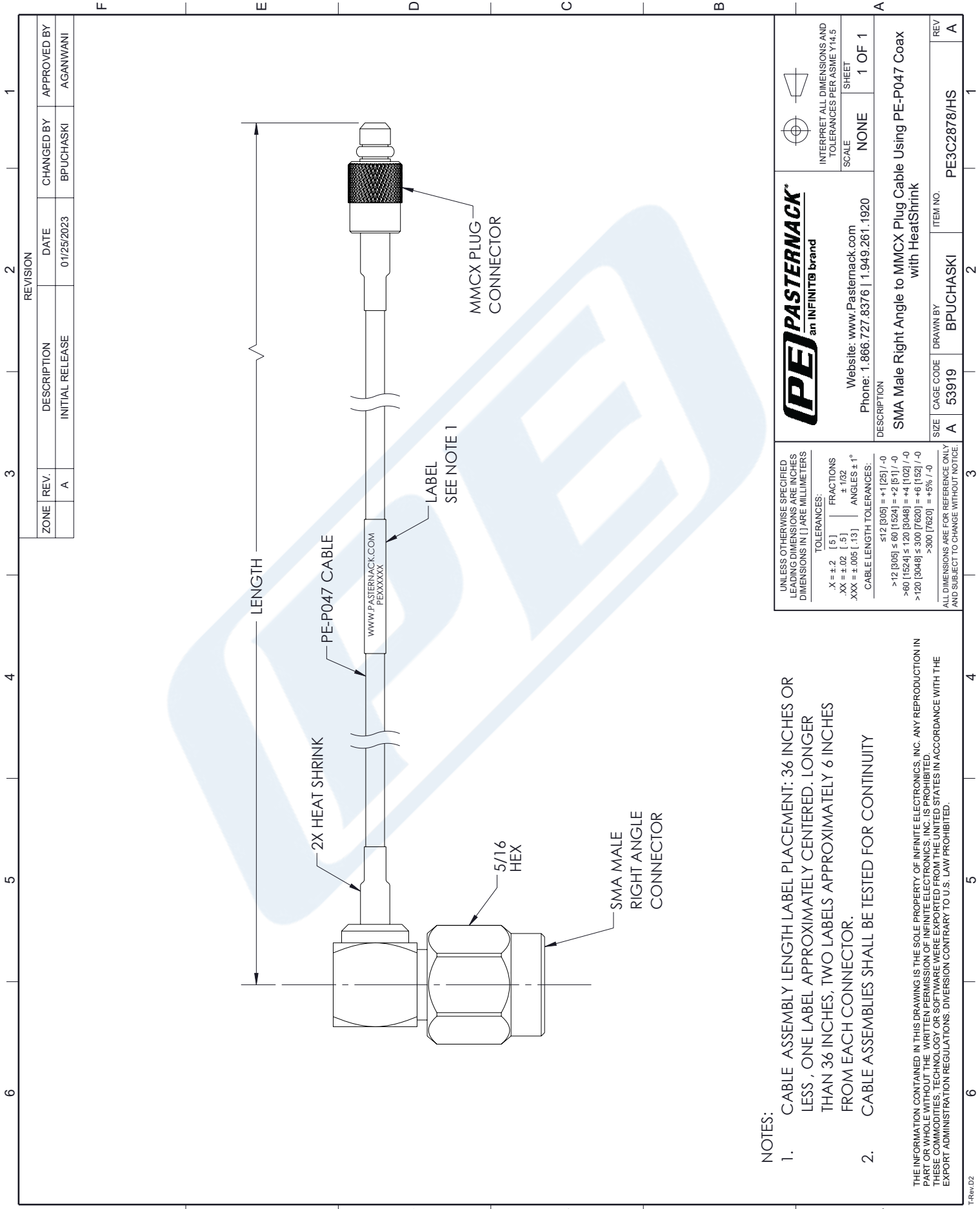
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to MMCX Plug Cable Using PE-P047 Coax with HeatShrink PE3C2878/HS](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-mmcx-plug-cable-using-pe-p047-with-heatshrink-pe3c2878-hs-p.aspx>

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# PE3C2878/HS CAD Drawing

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**NOTES:**

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [ .5 ]	FRACTIONS ± 1/32
.XX = ±.02 [ .5 ]	ANGLES ± 1°
.XXX = ±.005 [ .13 ]	CABLE LENGTH TOLERANCES:
	≤ 12 [ 305 ] = +1 [ 25 ] / -0
	> 12 [ 305 ] ≤ 60 [ 1524 ] = +2 [ 51 ] / -0
	> 60 [ 1524 ] ≤ 120 [ 3048 ] = +4 [ 102 ] / -0
	> 120 [ 3048 ] ≤ 300 [ 7620 ] = +6 [ 152 ] / -0
	> 300 [ 7620 ] = +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	

Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: <b>SMA Male Right Angle to MMCX Plug Cable Using PE-P047 Coax with HeatShrink</b>		
SIZE: A CAGE CODE: 53919 DRAWN BY: BPUCHASKI ITEM NO.: PE3C2878/HS	REV: A	