



SMA Male to SMA Male Right Angle Precision Cable
12 Inch Length Using PE-P141 Coax, RoHS

TECHNICAL DATA SHEET

PE3C0806-12

Configuration

Connector 1	SMA Male
Connector 2	SMA Male Right Angle
Cable Type	PE-P141

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Velocity of Propagation	70 %
RF Shielding	110 dB
Maximum Operating Voltage	1,900 Vrms

Typical Performance by Frequency

Frequency 1

Frequency	1000 MHz
VSWR	1.25:1
Insertion Loss,	0.1 dB

Frequency 2

Frequency	5 GHz
VSWR	1.25:1
Insertion Loss	0.27 dB

Frequency 3

Frequency	10 GHz
VSWR	1.25:1
Insertion Loss	0.41 dB

Frequency 4

Frequency	18 GHz
VSWR	1.4:1
Insertion Loss	0.58 dB

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Temperature

Temperature Operating Range	-55 to +200 deg C
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Size

Length	12 in [304.8 mm]
Diameter	0.63 in [16 mm]
Weight	0.36 lbs [163.29 g]
Cable Color	Blue

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, RoHS PE3C0806-12](#)



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One Time Minimum Bend Radius

0.8 in [20.32 mm]

Cable

Cable Type

PE-P141

Inner Conductor Type

Solid

Cable Inner Conductor

Copper Clad Steel, Silver

No of Shields

2

Dielectric Type

PTFE

Jacket Material

FEP

Jacket Diameter

0.163 in [4.14 mm]

Connector 1

Type

SMA Male

Configuration

Straight

Inner Conductor Material and Plating

Beryllium Copper, Gold

Coupling Nut Material and Plating

Passivated Stainless Steel

Hex Size

5/16 in.

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Passivated Stainless Steel

Dielectric Type

PTFE

Connector 2

Type

SMA Male Right Angle

Configuration

Right Angle

Inner Conductor Material and Plating

Beryllium Copper, Gold

Inner Conductor Plating Specification

50µ in. minimum

Coupling Nut Material and Plating

Passivated Stainless Steel

Coupling Nut Plating Specification

SAE-AMS-2700

Hex Size

5/16 in.

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Passivated Stainless Steel

Body Plating Specification

SAE-AMS-2700

Dielectric Type

PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

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Notes:

- Values at +25 °C, sea level

SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

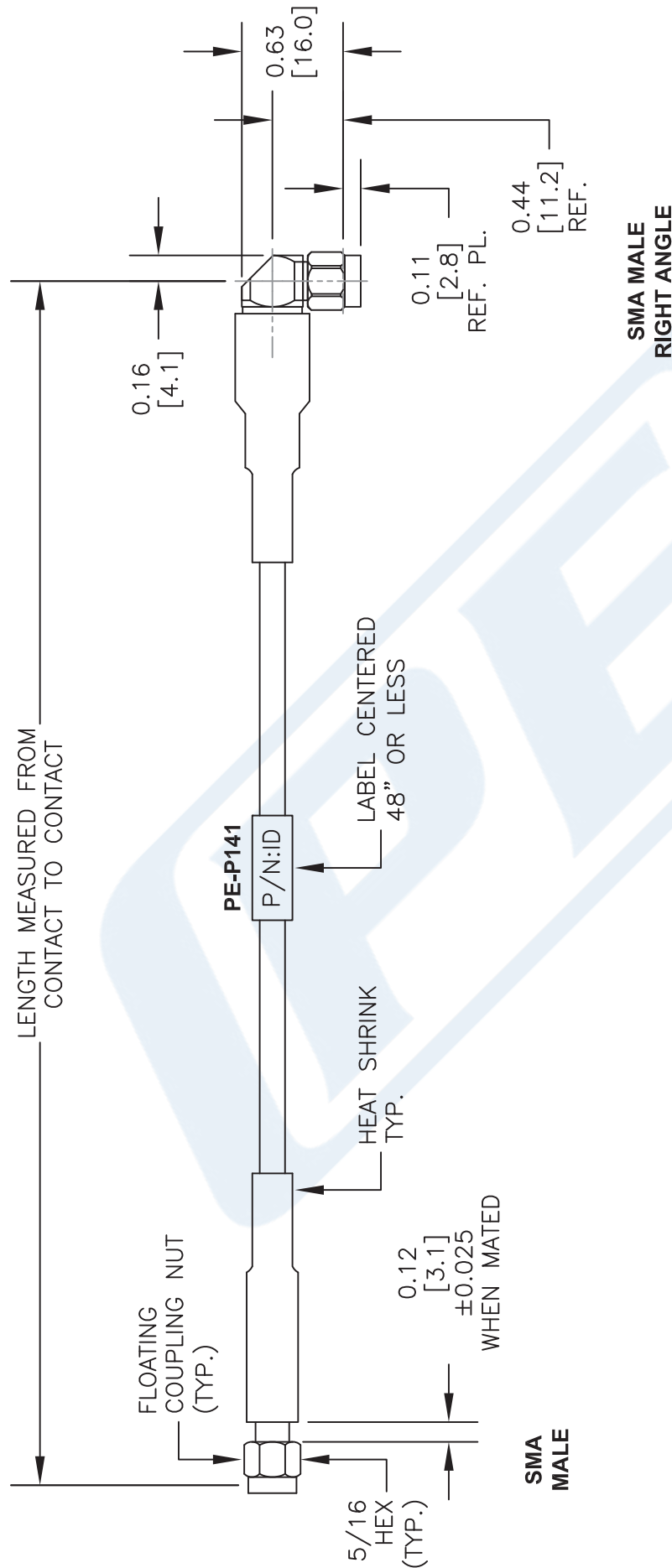
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URL: <http://www.pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe3c0806-12-p.aspx>

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.

PE3C0806-12 CAD Drawing

SMA Male to SMA Male Right Angle Precision Cable
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How To Order					
Part Number Configuration PE3 zzz yy - xx uu 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables		Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM			
		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
		-12	12"	-25CM	25Cm
		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
-60	60"	-125CM	125Cm		
-xx		Custom Length	-xxCM	Custom Length	

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE
PE3C0806

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FSCM NO. 53919

CAD FILE 030614

SCALE N/A

SIZE A

2233