



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

TECHNICAL DATA SHEET

PE3C0806-48

**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	48 in [121.92 cm]
Diameter	0.63 in [16 mm]
Weight	1.37 lbs [621.42 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 48 Inch Length Using PE-P141 Coax, RoHS PE3C0806-48](#)



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One Time Minimum Bend Radius	0.8 in [20.32 mm]
<b>Cable</b>	
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]
<b>Connector 1</b>	
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
<b>Connector 2</b>	
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
<b>Compliance Certifications</b> (visit <a href="http://www.Pasternack.com">www.Pasternack.com</a> 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 48 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.

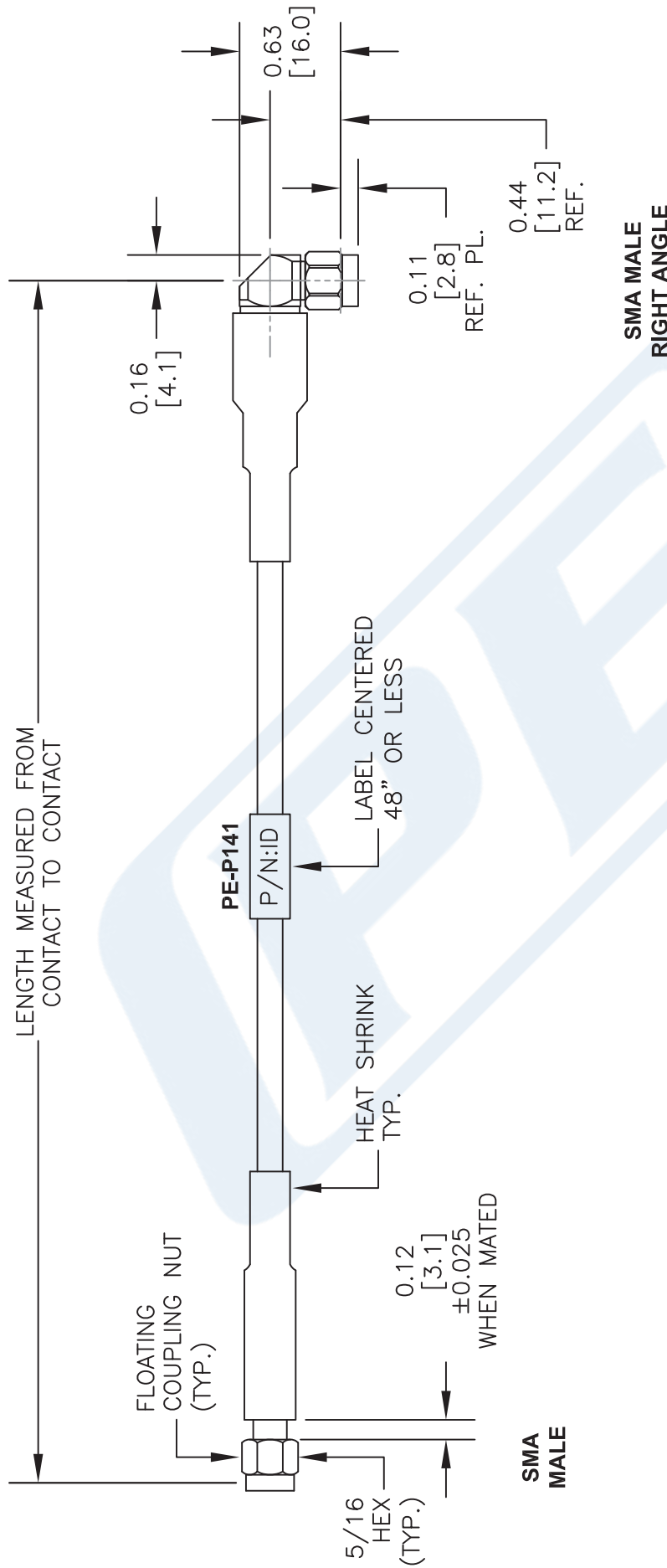
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Precision Cable 48 Inch Length Using PE-P141 Coax, RoHS PE3C0806-48](http://www.pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe3c0806-48-p.aspx)

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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.

# PE3C0806-48 CAD Drawing

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

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE  
**PE3C0806**

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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

FSCM NO. 53919      CAD FILE 030614      SCALE N/A      SIZE A      2233