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SMA Male to SMA Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET PE301-48

SMA Male to SMA Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS

Configuration

Connector 1	SMA Male
Connector 2	SMA Male Right Angle
Cable Type	160 Series

Electrical Specifications

Frequency Range, GHz	DC to 18
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,900

Typical Electrical Specifications

Frequency 1

Frequency, GHz	2
VSWR	1.05:1
Insertion Loss	0.18 dB/ft [0.59 dB/m]

Frequency 2

Frequency, GHz	6
VSWR	1.12:1
Insertion Loss	0.3 dB/ft [0.98 dB/m]

Frequency 3

Frequency, GHz	10
VSWR	1.1:1
Insertion Loss	0.4 dB/ft [1.31 dB/m]

Frequency 4

Frequency, GHz	14
VSWR	1.12:1
Insertion Loss	0.55 dB/ft [1.8 dB/m]

Frequency 5

Frequency, GHz	16
VSWR	1.2:1
Insertion Loss	0.6 dB/ft [1.97 dB/m]

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 160 Series Coax, RoHS PE301-48

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Frequency 6

Frequency, GHz	18
VSWR	1.18:1
Insertion Loss	0.68 dB/ft [2.23 dB/m]
Electrical Specification Notes:	Short lengths up to 24” long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

Cable Type	160 Series

Temperature

Temperature Operating Range, deg C	-50 to +205

Size

Length, in [cm]	48 [121.92]
Diameter, in [mm]	0.17 [4.32]
Weight, lbs [g]	0.038 [17.24]
Cable Color	Blue
One Time Minimum Bend Radius, in [mm]	1 [25.4]

Cable

Center Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	3
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter, in [mm]	0.163 [4.14]

Connector 1

Type	SMA Male
Configuration	Straight
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
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	Gold

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Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

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

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

SMA Male to SMA Male Right Angle Precision Cable 48 Inch Length Using 160 Series Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 160 Series Coax, RoHS PE301-48

URL: http://www.pasternack.com/sma-male-sma-male-300-series-cable-assembly-pe301-48-p.aspx

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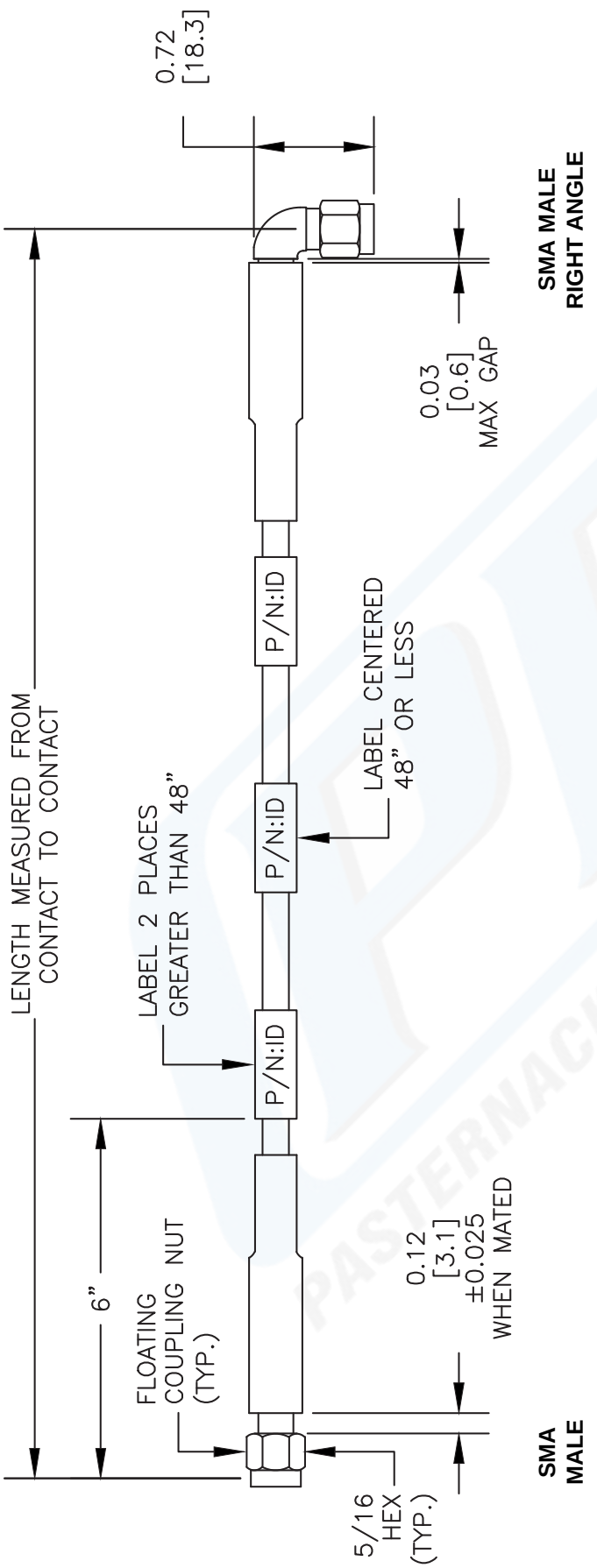
PE301-48 CAD Drawing

SMA Male to SMA Male Right Angle Precision Cable
48 Inch Length Using 160 Series Coax, RoHS



How To Order

Part Number Configuration

PE3 [zzz] [yy] - [xx] [uu]

- zzz: 00 - 99999 — LF = Lead Free; < Blank > = Standard
- yy: Length
- xx: Part # Ext.
- uu: CM = Centimeters; < Blank > = Inches

Note: LF applies only to RF cables

Part # Ext.	Length In Inches	Examples
-12	12"	PE3000LF-100
-24	24"	PE3000-100
-36	36"	PE3000LF-100CM
-48	48"	PE3000-100CM
-60	60"	
-XX	Custom Length	

Part # Ext.	Length In Centimeters
-25CM	25Cm
-50CM	50Cm
-75CM	75Cm
-100CM	100Cm
-125CM	125Cm
-xxCM	Custom Length

DWG TITLE: **PE301**

FSCM NO. 53919 | CAD FILE 071012-B | SCALE N/A | SIZE A | 2233

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.

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