



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

TECHNICAL DATA SHEET

PE351-48

**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
Maximum Insertion Loss	1 dB
Velocity of Propagation	70 %
RF Shielding	110 dB

**Typical Performance by Frequency**

**Frequency 1**

Frequency	6 GHz
VSWR	1.15:1
Insertion Loss,	1.6 dB

**Frequency 2**

Frequency	12 GHz
VSWR	1.3:1
Insertion Loss	2.4 dB

**Frequency 3**

Frequency	18 GHz
VSWR	1.4:1
Insertion Loss	3 dB

**Mechanical Specifications**

**Temperature**

Temperature Operating Range	-55 to +200 deg C
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**Size**

Length	48 in [121.92 cm]
Diameter	0.74 in [18.8 mm]
Cable Color	Blue
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
Cable Outer Conductor	Copper, Silver
Dielectric Type	PTFE

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 Low Loss Cable 48 Inch Length Using PE-P141 Coax, RoHS PE351-48](#)



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Jacket Material  
Jacket Diameter

FEP  
0.163 in [4.14 mm]

**Connector 1**

Type  
Configuration  
Inner Conductor Material and Plating  
Coupling Nut Material and Plating  
Hex Size  
Torque  
Body Material and Plating  
Dielectric Type

SMA Male  
Straight  
Beryllium Copper, Gold  
Passivated Stainless Steel  
5/16 inch  
8 in-lbs [0.9 Nm]  
Passivated Stainless Steel  
PTFE

**Connector 2**

Type  
Configuration  
Inner Conductor Material and Plating  
Coupling Nut Material and Plating  
Hex Size  
Torque  
Body Material and Plating  
Dielectric Type

SMA Male Right Angle  
Right Angle  
Beryllium Copper, Gold  
Passivated Stainless Steel  
5/16 inch  
8 in-lbs [0.9 Nm]  
Passivated Stainless Steel  
PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes  
Notes:  
• Values at +25 °C, sea level

SMA Male to SMA Male Right Angle Low Loss 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 Low Loss Cable 48 Inch Length Using PE-P141 Coax, RoHS PE351-48](http://www.Pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe351-48-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.

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**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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**PE351**

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.

<b>FSCM NO. 53919</b>	CAD FILE	041814	SCALE	N/A	SIZE	A	2233
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