



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

TECHNICAL DATA SHEET

PE351-12

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
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,	0.4 dB

Frequency 2

Frequency	12 GHz
VSWR	1.3:1
Insertion Loss	0.6 dB

Frequency 3

Frequency	18 GHz
VSWR	1.4:1
Insertion Loss	0.75 dB

Mechanical Specifications

Temperature

Temperature Operating Range	-55 to +200 deg C
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Size

Length	12 in [304.8 mm]
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 12 Inch Length Using PE-P141 Coax, RoHS PE351-12](#)



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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 for current document)

RoHS Compliant

Yes

Notes:

- Values at +25 °C, sea level

SMA Male to SMA Male Right Angle Low Loss 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.

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 12 Inch Length Using PE-P141 Coax, RoHS PE351-12](http://www.Pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe351-12-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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DWG TITLE

PE351

NOTES:

- 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.

FSCM NO. 53919

CAD FILE 041814

SIZE A

2233