



2.4mm Male to 2.4mm Male Test Cable 100 cm  
Length Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET

PE373-100CM

**Configuration**

Connector 1	2.4mm Male
Connector 2	2.4mm Male
Cable Type	PE-P102

**Electrical Specifications**

Frequency Range	DC to 50 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Velocity of Propagation	76 %
RF Shielding	90 dB
Peak Power	550 Watts

**Typical Performance by Frequency**

**Frequency 1**

Frequency	6 GHz
VSWR	1.25:1
Insertion Loss,	2.5 dB
Power Handling, Watts	160

**Frequency 2**

Frequency	12 GHz
VSWR	1.25:1
Insertion Loss	3.55 dB
Power Handling	110 Watts

**Frequency 3**

Frequency	18 GHz
VSWR	1.25:1
Insertion Loss	4.5 dB
Power Handling	89 Watts

**Frequency 4**

Frequency	26.5 GHz
VSWR	1.4:1
Insertion Loss	5.47 dB
Power Handling	73 Watts

**Frequency 5**

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	7 dB
Power Handling	58 Watts

**Frequency 6**

Frequency	50 GHz
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.4mm Male Test Cable 100 cm Length Using PE-P102 Coax, RoHS PE373-100CM](#)



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VSWR	1.4:1
Insertion Loss	8 dB
Power Handling	52 Watts

**Mechanical Specifications**

**Size**

Length	39.37 in [100 cm]
Diameter	0.375 in [9.53 mm]
Cable Color	Gray
One Time Minimum Bend Radius	0.32 in [8.13 mm]
Repeated Minimum Bend Radius	0.96 in [24.38 mm]

**Cable**

Cable Type	PE-P102
Inner Conductor Type	Stranded
Cable Inner Conductor	Copper, Silver
No of Shields	3
Dielectric Type	PTFE
Jacket Material	ETFE
Jacket Diameter	0.102 in [2.59 mm]

**Connector 1**

Type	2.4mm Male
Configuration	Straight
Inner Conductor Material and Plating	Beryllium Copper, Gold
Inner Conductor Plating Specification	ASTM-B488 50µ In. Minimum
Coupling Nut Material and Plating	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700
Hex Size	5/16 Inch
Torque	8 in-lbs [0.9 Nm]
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700
Dielectric Type	PPO

**Connector 2**

Type	2.4mm Male
Configuration	Straight
Inner Conductor Material and Plating	Beryllium Copper, Gold
Inner Conductor Plating Specification	ASTM-B488 50µ In. Minimum
Coupling Nut Material and Plating	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700
Hex Size	5/16 Inch
Torque	8 in-lbs [0.9 Nm]
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700
Dielectric Type	PPO

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

RoHS Compliant

Yes

Notes:

- Values at +25 °C, sea level

2.4mm Male to 2.4mm Male Test Cable 100 cm Length Using PE-P102 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: [2.4mm Male to 2.4mm Male Test Cable 100 cm Length Using PE-P102 Coax, RoHS PE373-100CM](http://www.pasternack.com/2.4mm-male-2.4mm-male-pe-p102-cable-assembly-pe373-100cm-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.

