



SMA Male to SMA Male Test Cable Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET

PE370

Configuration

Connector 1	SMA Male
Connector 2	SMA Male
Cable Type	PE-P102

Electrical Specifications

Frequency Range	DC to 26.5 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,	0.8 dB/ft [2.46 dB/m]
Power Handling, Watts	160

Frequency 2

Frequency	12 GHz
VSWR	1.25:1
Insertion Loss	1.08 dB/ft [3.54 dB/m]
Power Handling	110 Watts

Frequency 3

Frequency	18 GHz
VSWR	1.25:1
Insertion Loss	1.36 dB/ft [4.46 dB/m]
Power Handling	89 Watts

Frequency 4

Frequency	26.5 GHz
VSWR	1.4:1
Insertion Loss	1.67 dB/ft [5.48 dB/m]
Power Handling	73 Watts

Mechanical Specifications

Temperature

Temperature Operating Range	-65 to +165 deg C
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Size

Diameter	0.35 in [8.89 mm]
Cable Color	Gray
One Time Minimum Bend Radius	0.32 in [8.13 mm]

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 Test Cable Using PE-P102 Coax, RoHS PE370](#)



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Repeated Minimum Bend Radius

0.32 in [8.13 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

SMA 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

PTFE

Connector 2

Type

SMA 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

PTFE

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

RoHS Compliant

Yes

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Notes:

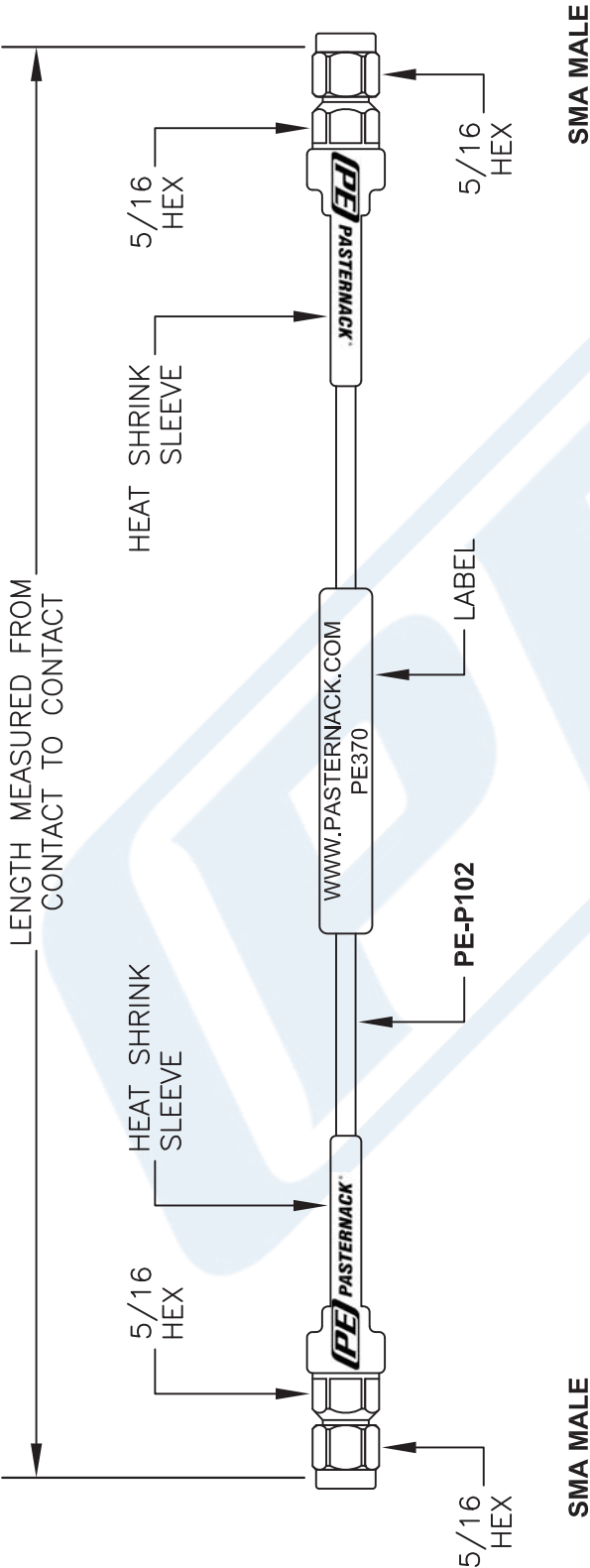
- Values at +25 °C, sea level

SMA Male to SMA Male Test Cable 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: [SMA Male to SMA Male Test Cable Using PE-P102 Coax, RoHS PE370](#)


URL: <http://www.pasternack.com/sma-male-sma-male-pe-p102-cable-assembly-pe370-p.aspx>

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.



NOTE:
LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED. 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3 [zzz] - [xx] [uu] 00 - 99999 CM = Centimeters < Blank > = Inches Length	Examples PE3000-100 PE3000-100CM	-12	12"	-25CM	25Cm
		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		-xx	Custom Length	-xxCM	Custom Length



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DWG TITLE

PE370

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 091713

SCALE N/A

SIZE A

2233