

SMA Female to N Male Cable Using PE-P142LL Coax, RoHS

TECHNICAL DATA SHEET

PE3C1128

Configuration

Connector 1	SMA Female
Connector 2	N Male
Cable Type	PE-P142LL

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Maximum VSWR	1.35:1
Velocity of Propagation	83 %
RF Shielding	95 dB

Typical Performance by Frequency**Frequency 1**

Frequency	400 MHz
Insertion Loss,	0 dB/ft [0.15 dB/m]
Power Handling, KWatts	1.2

Frequency 2

Frequency	1000 MHz
Insertion Loss	0.072 dB/ft [0.24 dB/m]
Power Handling	700 Watts

Frequency 3

Frequency	2 MHz
Insertion Loss	0.103 dB/ft [0.34 dB/m]
Power Handling	500 Watts

Frequency 4

Frequency	3 GHz
Insertion Loss	0.127 dB/ft [0.42 dB/m]
Power Handling	400 Watts

Frequency 5

Frequency	5 GHz
Insertion Loss	0.166 dB/ft [0.54 dB/m]
Power Handling	300 Watts

Frequency 6

Frequency	10 GHz
Insertion Loss	0.24 dB/ft [0.79 dB/m]
Power Handling	220 Watts

Frequency 7

Frequency	18 GHz
Insertion Loss	0.33 dB/ft [1.08 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 Female to N Male Cable Using PE-P142LL Coax, RoHS PE3C1128](#)

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Power Handling

160 Watts

Mechanical Specifications**Temperature**

Temperature Operating Range

-55 to +125 deg C

Size

Diameter

0.822 in [20.88 mm]

Repeated Minimum Bend Radius

1 in [25.4 mm]

Cable

Cable Type

PE-P142LL

Inner Conductor Type

Solid

Cable Inner Conductor

Copper, Silver

No of Shields

3

Dielectric Type

PTFE

Jacket Material

FEP

Jacket Diameter

0.195 in [4.95 mm]

Connector 1

Type

SMA Female

Configuration

Straight

Inner Conductor Material and Plating

Beryllium Copper, Gold

Inner Conductor Plating Specification

ASTM-B488, 50µ In. Minimum

Outer Conductor Material and Plating

Passivated Stainless Steel

Outer Conductor Plating Specification

SAE-AMS-2700

Body Material and Plating

Passivated Stainless Steel

Body Plating Specification

SAE-AMS-2700

Dielectric Type

PTFE

Connector 2

Type

N Male

Configuration

Straight

Inner Conductor Material and Plating

Beryllium Copper, Gold

Inner Conductor Plating Specification

ASTM-B488, 50µ Inch.

Outer Conductor Material and Plating

Passivated Stainless Steel

Outer Conductor Plating Specification

SAE-AMS-2700

Coupling Nut Material and Plating

Passivated Stainless Steel

Coupling Nut Plating Specification

SAE-AMS-2700

Hex Size

3/4 Inch

Torque

14 in-lbs [1.58 Nm]

Body Material and Plating

Passivated Stainless Steel

Dielectric Type

PTFE

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

RoHS Compliant

Yes

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Notes:

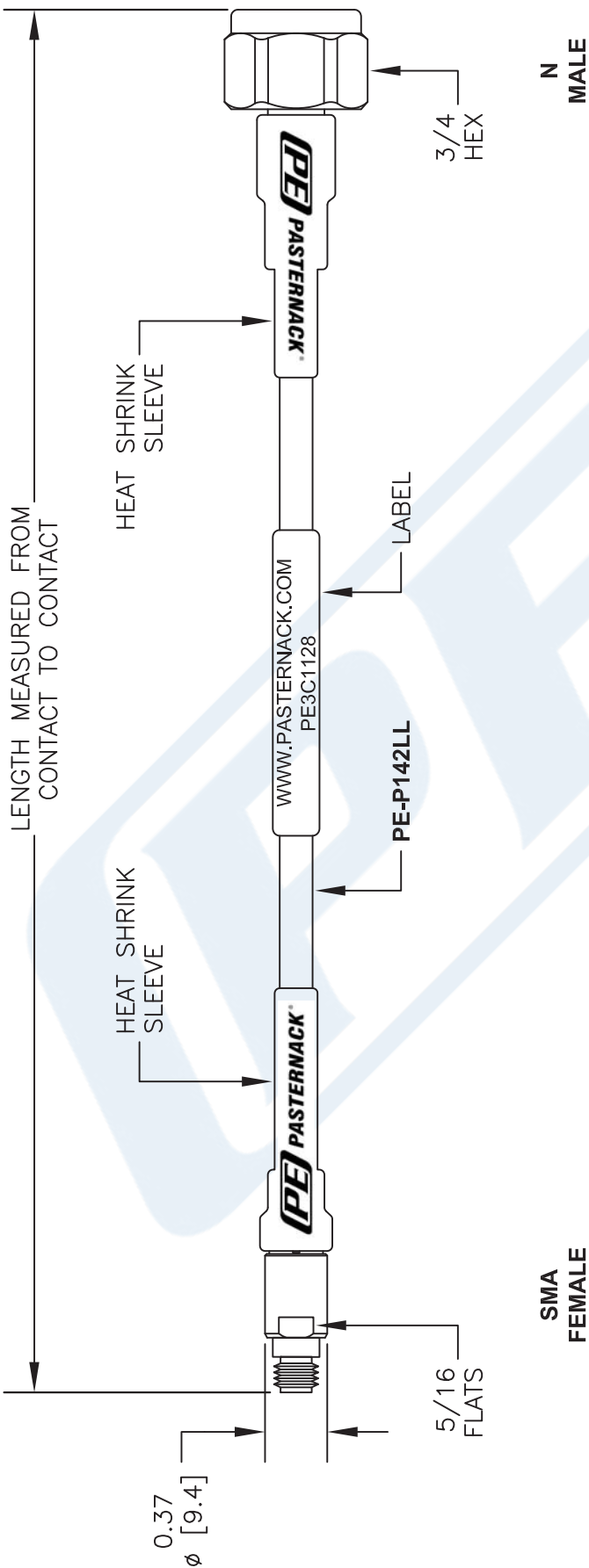
- Values at +25 °C, sea level

SMA Female to N Male Cable Using PE-P142LL 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.

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URL: <http://www.pasternack.com/sma-female-n-male-pe-p142ll-cable-assembly-pe3c1128-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 Number Configuration		Examples			
PE3 [zzz] [yy] - [xx] [uu]		PE3000LF-100		-12	12"
		PE3000-100		-24	24"
		PE3000LF-100CM		-36	36"
		PE3000-100CM		-48	48"
				-60	60"
00 - 99999				-xx	Custom Length
LF = RoHS Compliant					
< Blank > = Standard					
Note: LF applies only to RF cables					

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.

DWG TITLE

PE3C1128

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 072914

SCALE N/A

SIZE A

2233