PASTERNACK®
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2.92mm Male to 2.92mm Male VNA Test Cable, ROHS

TECHNICAL DATA SHEET PE319

2.92mm Male to 2.92mm Male VNA Test Cable, ROHS

Configuration

Connector 1	2.92mm Male
Connector 1 Specification	MIL-STD-348
Connector 2	2.92mm Male
Connector 2 Specification	MIL-STD-348
Cable Type	VNA Cable

Electrical Specifications

Frequency Range, GHz	DC to 40
Impedance, Ohms	50
Maximum VSWR	1.38:1
Velocity of Propagation, %	77
RF Shielding, dB	100
Dielectric Withstanding Voltage (AC), Vrms	1,000

Typical Performance by Frequency

Frequency 1

Frequency, GHz	10
VSWR	1.12:1
Return Loss, dB	25
Insertion Loss	0.43 dB/ft [1.41 dB/m]
Power Handling, Watts	150

Frequency 2

Frequency, GHz	18
VSWR	1.17:1
Return Loss, dB	22
Insertion Loss	0.59 dB/ft [1.94 dB/m]

Frequency 3

Frequency, GHz	26.5
VSWR	1.22:1
Return Loss, dB	20
Insertion Loss	0.72 dB/ft [2.36 dB/m]

Frequency 4

Frequency, GHz	40
VSWR	1.38:1
Return Loss, dB	16
Insertion Loss	0.9 dB/ft [2.95 dB/m]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 2.92mm Male to 2.92mm Male VNA Test Cable, ROHS PE319

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Mechanical Specifications

Cable Assembly

Cable Type	VNA Cable

Temperature

Temperature Operating Range, deg C	-55 to +165
Diameter, in [mm]	0.362 [9.19]
One Time Minimum Bend Radius, in [mm]	1 [25.4]

Cable

Center Conductor Type	Solid
Cable Inner Conductor	Copper, Silver
No of Shields	2
Dielectric Type	PTFE
Jacket Material	FEP

Connector 1

Type	2.92mm Male
Configuration	Straight
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PPO

Connector 2

Type	2.92mm Male
Configuration	Straight
Inner Conductor Material and Plating	Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PPO

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

RoHS Compliant	Yes

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Plotted and Other Data

Notes: Values at 25 °C, sea level

2.92mm Male to 2.92mm Male VNA Test Cable, ROHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/2.92mm-male-2.92mm-male-vna-cable-cable-assembly-pe319-p.aspx

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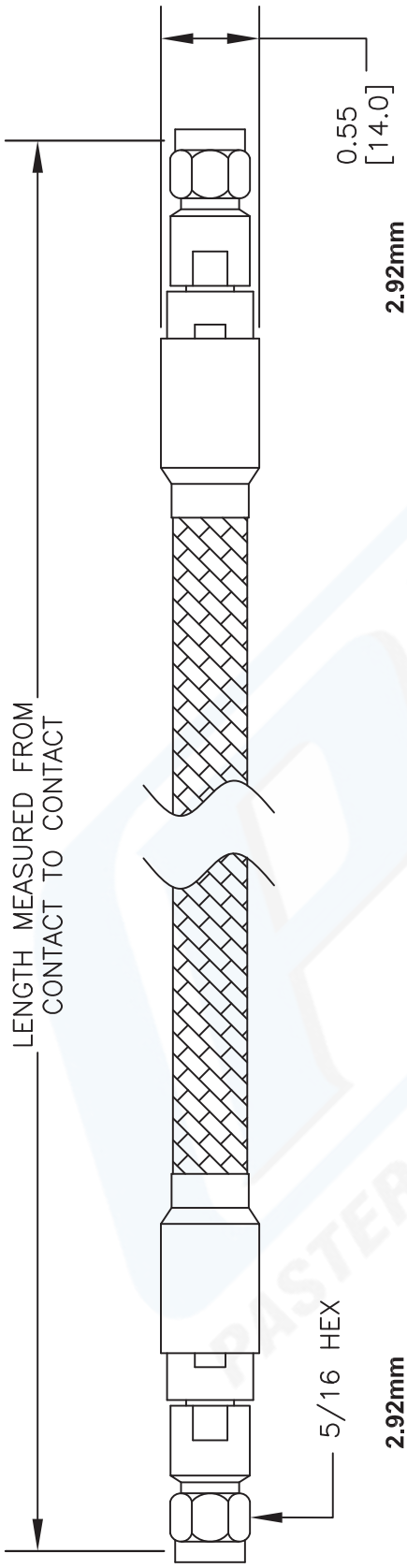
PE319 CAD Drawing

2.92mm Male to 2.92mm Male VNA Test Cable, ROHS



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration	Examples	-12	12"	-25CM	25Cm
PE3 zzz - yy - xx uu	PE3000LF-100	-24	24"	-50CM	50Cm
00 - 99999	PE3000-100	-36	36"	-75CM	75Cm
LF = RoHS Compliant	PE3000LF-100CM	-48	48"	-100CM	100Cm
< Blank > = Standard	PE3000-100CM	-60	60"	-125CM	125Cm
Note: LF applies only to RF cables		-xx	Custom Length	-xxCM	Custom Length

CM = Centimeters
< Blank > = Inches
Length

DWG TITLE
PE319

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.

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FSCM NO. 53919 | CAD FILE 012411-C | SCALE N/A | SIZE A | 2233