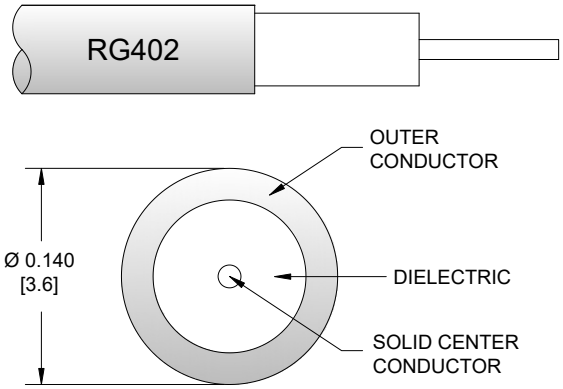
N Male to N Male Cable 12 Inch Length Using RG402 Coax

PE3827-12

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG402
- Coax Flex Type: Semi-Rigid



Features

- Max Frequency 11 GHz

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3827-12 type N male to type N male 12 inch cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to type N cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3827-12 type N male to type N male cable assembly operates to 11 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Capacitance		29.9 [98.1]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	11	GHz
Insertion Loss (Typ.)	0.26	0.32	0.375	0.467	0.675	dB

Mechanical Specifications

Cable Assembly

Width/Diameter	0.827 in [21.01 mm]

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

N Male to N Male Cable 12 Inch Length Using RG402 Coax

PE3827-12

Weight	0.199 lbs [90.26 g]

Cable

Cable Type	RG402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Copper
Jacket Material	Tan

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Gold	Brass, Gold

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

N Male to N Male Cable 12 Inch Length Using RG402 Coax

PE3827-12

Typical Performance Data

How to Order

Part Number Configuration: **PE3827 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3827 — Base Number

Example: PE3827-12 = 12 inches long cable
PE3827-100cm = 100 cm long cable

N Male to N Male Cable 12 Inch Length Using RG402 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: N Male to N Male Cable 12 Inch Length Using RG402 Coax PE3827-12

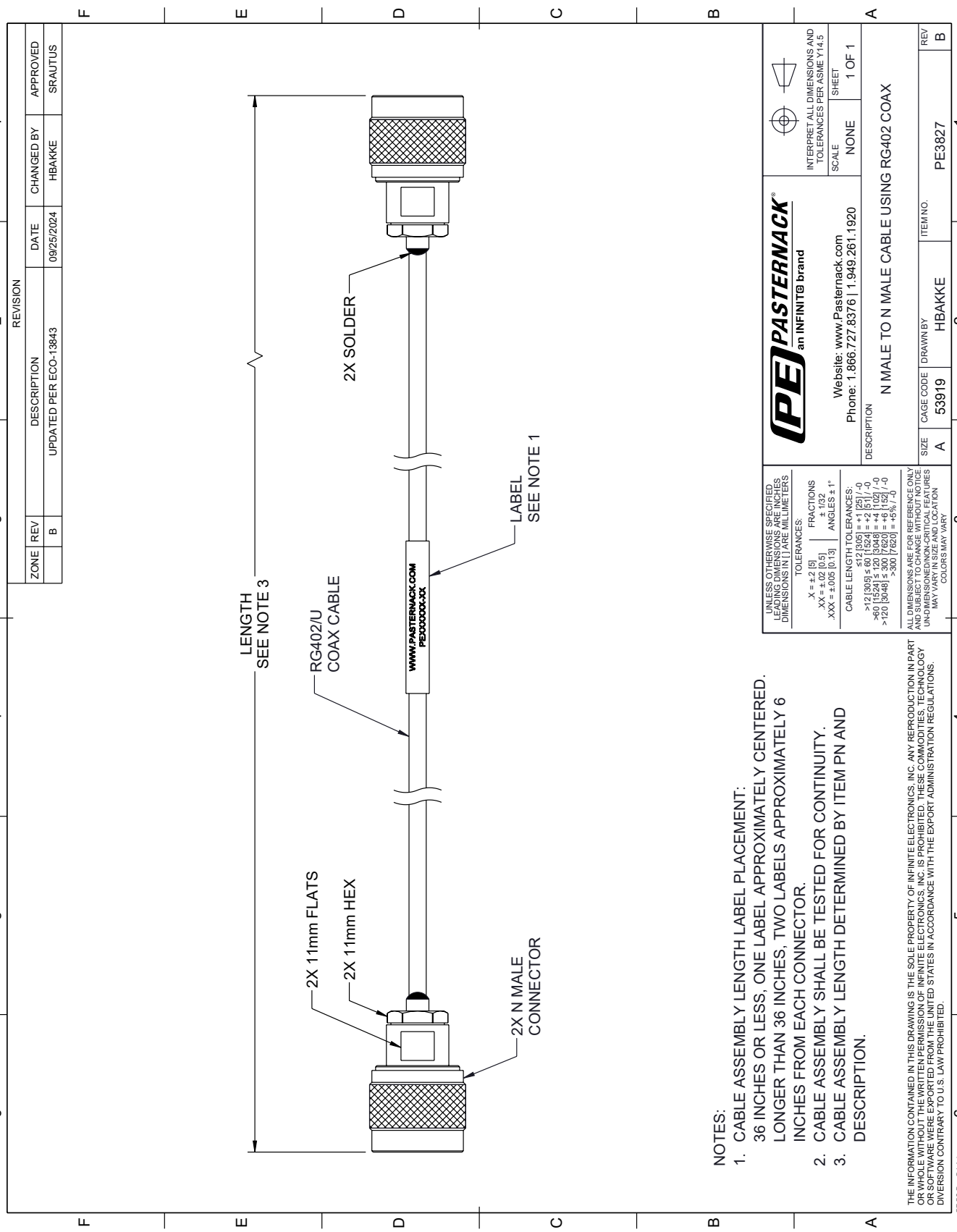
URL: https://www.pasternack.com/n-male-n-male-rg402u-cable-assembly-pe3827-12-p.aspx

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

PE3827-12 CAD Drawing

N Male to N Male Cable 12 Inch Length Using RG402 Coax



© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.