



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

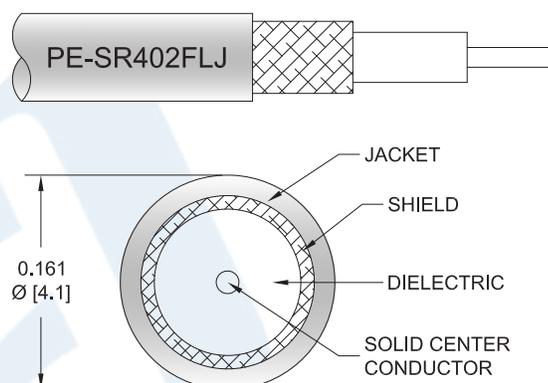
PE3W08827LF/HS

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402FLJ

Features

- Max Frequency 12.4 GHz
- Low PIM: -160 dBc Max
- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08827LF/HS SMA male to SMA male right angle cable using PE-SR402FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm corrugated PE-SR402FLJ coax. The PE3W08827LF/HS SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the PE-SR402FLJ cable allows for easier connections in tight spaces.

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		12.4	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Passive Intermodulation			-160	dBc

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 Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder PE3W08827LF/HS](#)



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W08827LF/HS

Operating Voltage (AC)	1,900	Vrms
Dielectric Withstanding Voltage (AC)	3,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Typ.)	0.082	0.125	0.198	0.32	0.541	dB/ft
	0.27	0.41	0.65	1.05	1.77	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.06 xSQRT(FGHz) db max up to 6 GHz for SMA Male straight connector and 0.2 dB for SMA Male Right Angle Connector.

Mechanical Specifications

Cable Assembly

Weight 0.054 lbs [24.49 g]

Cable

Cable Type PE-SR402FLJ
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Outer Conductor Material and Plating Tinned Copper Braid
 Jacket Material FEP, Black
 Jacket Diameter 0.161 in [4.09 mm]

One Time Minimum Bend Radius 1.25 in [31.75 mm]
 Bending Moment 0.5 lbs-ft [0.68 N-m]

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 Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder PE3W08827LF/HS](#)



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W08827LF/HS

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type		PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification		30 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size	5/16 inch	5/16 inch

Environmental Specifications

Temperature

Operating Range -65 to +150 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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 Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder PE3W08827LF/HS](#)



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W08827LF/HS

How to Order

Part Number Configuration:

PE3W08827LF/HS - xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W08827LF/HS-12 = 12 inches long cable
PE3W08827LF/HS-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder 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.

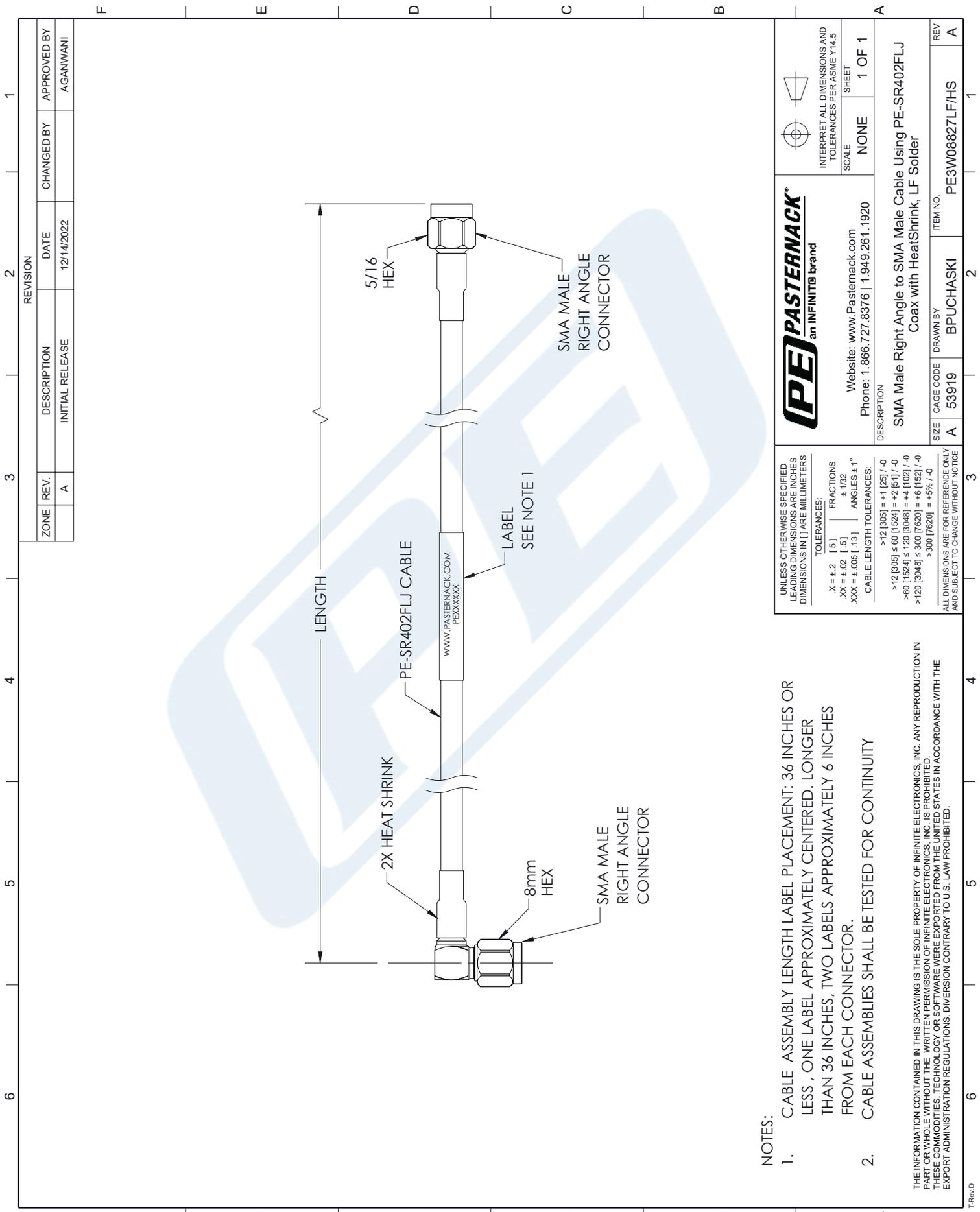
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder PE3W08827LF/HS](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr402flj-with-heatshrink-lf-solder-pe3w08827lf-hs-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.

PE3W08827LF/HS CAD Drawing

SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [.5]	FRACTIONS ± 1/32
.XX = ±.02 [.5]	ANGLES ± 1°
.XXX = ±.005 [.13]	CABLE LENGTH TOLERANCES:
	>12 [305] = +1 [25] / -0
	>12 [305] ≤ 60 [1524] = +2 [51] / -0
	>60 [1524] ≤ 120 [3048] = +4 [102] / -0
	>120 [3048] ≤ 300 [7620] = +6 [152] / -0
	>300 [7620] = +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	

PE PASTERNAK an INFINITB brand	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	SHEET 1 OF 1
SCALE NONE	
DESCRIPTION SMA Male Right Angle to SMA Male Cable Using PE-SR402FLJ Coax with HeatShrink, LF Solder	
SIZE A	CAGE CODE 53919
DRAWN BY BPUCHASKI	ITEM NO. PE3W08827LF/HS
REV A	