



## Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Plug Right Angle Cable Using RG400 Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE3W08875LF**

#### Configuration

- Connector 1: SMA Plug Reverse Polarity Right Angle
- Connector 2: SMA Plug Reverse Polarity Right Angle
- Cable Type: RG400

#### Features

- Max Frequency 12.4 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W08875LF reverse polarity SMA plug right angle to reverse polarity SMA plug right angle cable using RG400 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack reverse polarity SMA to reverse polarity SMA cable assembly has a plug to plug gender configuration with 50 ohm flexible RG400 coax. The PE3W08875LF reverse polarity SMA plug to reverse polarity SMA plug cable assembly operates to 12.4 GHz. The right angle SMA interfaces on the RG400 cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Plug Right Angle Cable Using RG400 Coax , LF Solder PE3W08875LF](#)



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### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Typ.)	0.089	0.147	0.226	0.36	0.63	dB/ft
	0.29	0.48	0.74	1.18	2.07	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.071 lbs [32.21 g]

#### Cable

Cable Type RG400  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Braid  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material FEP, Tan  
 Jacket Diameter 0.195 in [4.95 mm]  
 Repeated Minimum Bend Radius 1 in [25.4 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity Right Angle	SMA Plug Reverse Polarity Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Hex Size	5/16 inch	5/16 inch
Torque	3 in-lbs [0.34 Nm]	3 in-lbs [0.34 Nm]

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

### Plotted and Other Data

Notes:

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**RF Cable Assemblies Technical Data Sheet**

**PE3W08875LF**

**How to Order**

Part Number Configuration:

**PE3W08875LF - xx uu**

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

Example: PE3W08875LF-12 = 12 inches long cable  
PE3W08875LF-100cm = 100 cm long cable

Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Plug Right Angle Cable Using RG400 Coax , 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.

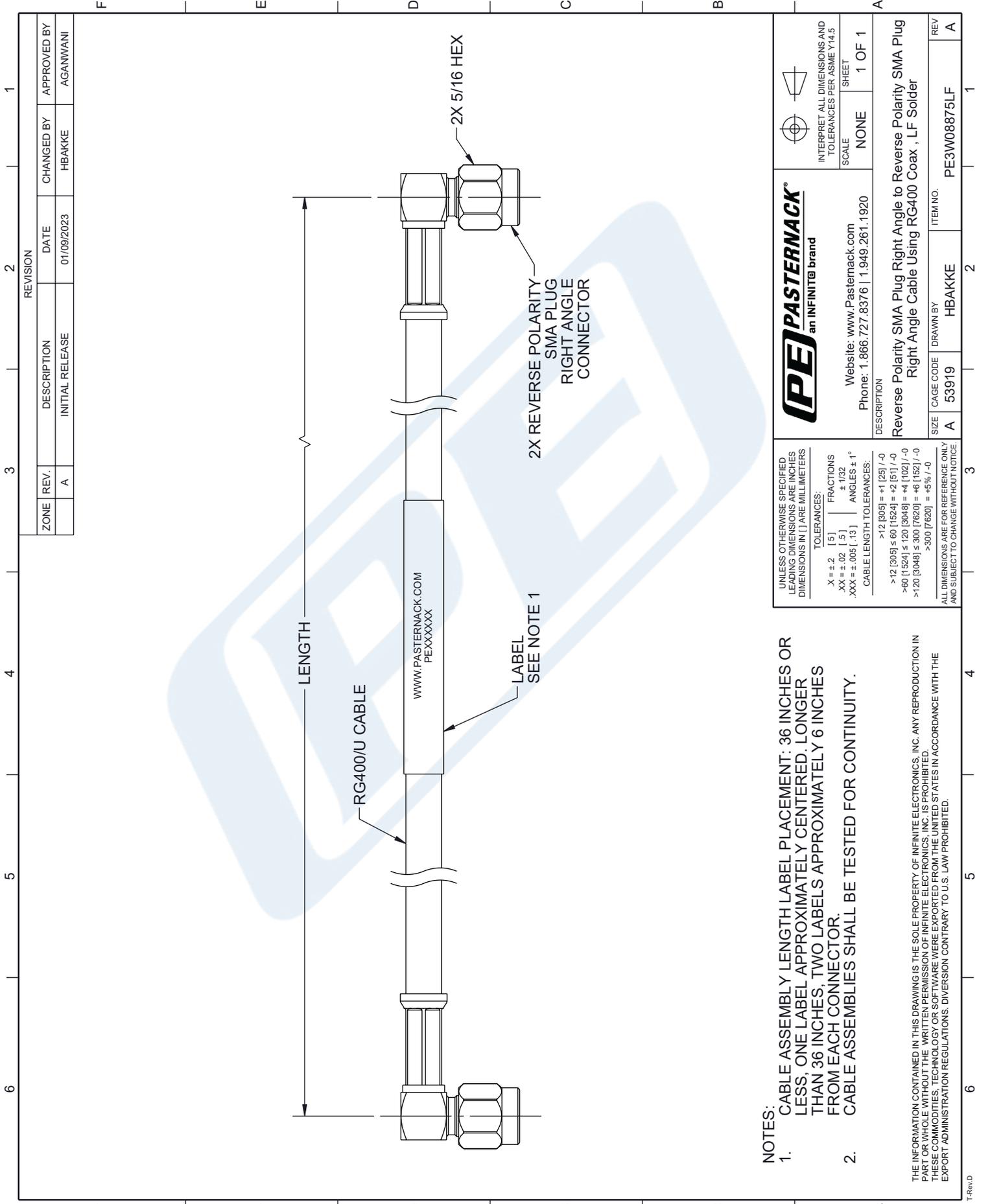
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Plug Right Angle Cable Using RG400 Coax , LF Solder PE3W08875LF](#)

URL: <https://www.pasternack.com/reverse-polarity-sma-plug-right-angle-to-reverse-polarity-sma-plug-cable-using-rg400-lf-solder-pe3w08875lf-p.aspx>

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# PE3W08875LF CAD Drawing

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**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.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:	X = ± .2 [ .5 ]	FRACTIONS	± 1/32
	.XX = ± .02 [ .3 ]	ANGLES ± °	
	.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			
 an INFINITE brand		Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920	
DESCRIPTION		SCALE	
Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Plug Right Angle Cable Using RG400 Coax , LF Solder		NONE	
ITEM NO.		SHEET	
A 53919		1 OF 1	
REV	DATE	CHANGED BY	APPROVED BY
A	01/09/2023	HBAKKE	AGANWANI