



SMA Male to Violet FAKRA Plug Cable  
12 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

PE39197H-12

**Configuration**

- Connector 1: SMA Male
- Connector 2: FAKRA Plug
- Cable Type: RG174

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.242	0.284	0.337	0.412	0.52	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

**Mechanical Specifications**

**Cable Assembly**

Length*	12 in [304.8 mm]
Diameter	0.37 in [9.4 mm]
Weight	0.022 lbs [9.98 g]

**Cable**

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (LD)
Number of Shields	1
Shield Layer 1	Tinned Copper Braid

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 Violet FAKRA Plug Cable 12 Inch Length Using RG174 Coax PE39197H-12](#)



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Jacket Material  
Jacket Diameter

PVC, Black  
0.1 in [2.54 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	FAKRA Plug
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	30µ in. Minimum	
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Plastic
Body Plating Specification	100µ in. Minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. Minimum	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**How to Order**

Part Number Configuration:

**PE39197H**

**- xx**

**uu**

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

Example: PE39197H-12 = 12 inches long cable  
PE39197H-100cm = 100 cm long cable

SMA Male to Violet FAKRA Plug Cable 12 Inch Length Using RG174 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.

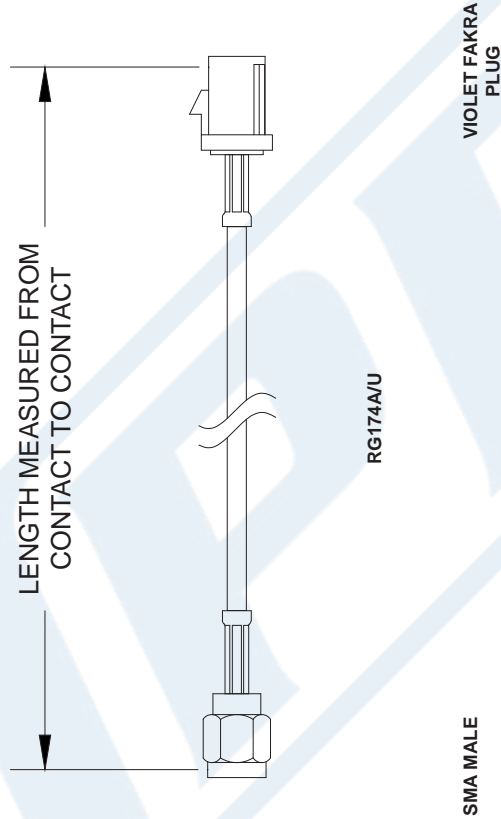
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to Violet FAKRA Plug Cable 12 Inch Length Using RG174 Coax PE39197H-12](https://www.pasternack.com/sma-male-fakra-plug-rg174au-cable-assembly-pe39197h-12-p.aspx)

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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.

# PE39197H-12 CAD Drawing

SMA Male to Violet FAKRA Plug Cable 12 Inch Length Using RG174 Coax



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	-24	24"	-50CM	50Cm
00 - 99999		LF = RoHS Compliant		-36	36"	-75CM	75Cm
< Blank > = Standard		CM = Centimeters		-48	48"	-100CM	100Cm
Note: LF applies only to RF cables		< Blank > = Inches		-60	60"	-125CM	125Cm
		Length		-xx	Custom Length	-xxCM	Custom Length

- 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  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE39197H**

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CAD FILE 41613

SCALE N/A

SIZE A