SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100

RF Connectors Technical Data Sheet   PE45137

Configuration

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- RG316, RG174, LMR-100 Interface Type
- Crimp/Solder Attachment

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
VSWR, Max	1.21:1					

Mechanical Specifications

Size
Length	0.591 in [15.01 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50μ in. minimum
Insulation	Teflon	
Outer Conductor	Brass	Gold 3μ in. minimum
Body	Brass	Gold 3μ in. minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100 PE45137

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Environmental Specifications
Temperature
Operating Range   -65 to 165 deg C

Compliance Certifications (visit www.Pasternack.com for current document)
RoHS Compliant
REACH Compliant   12/17/2014
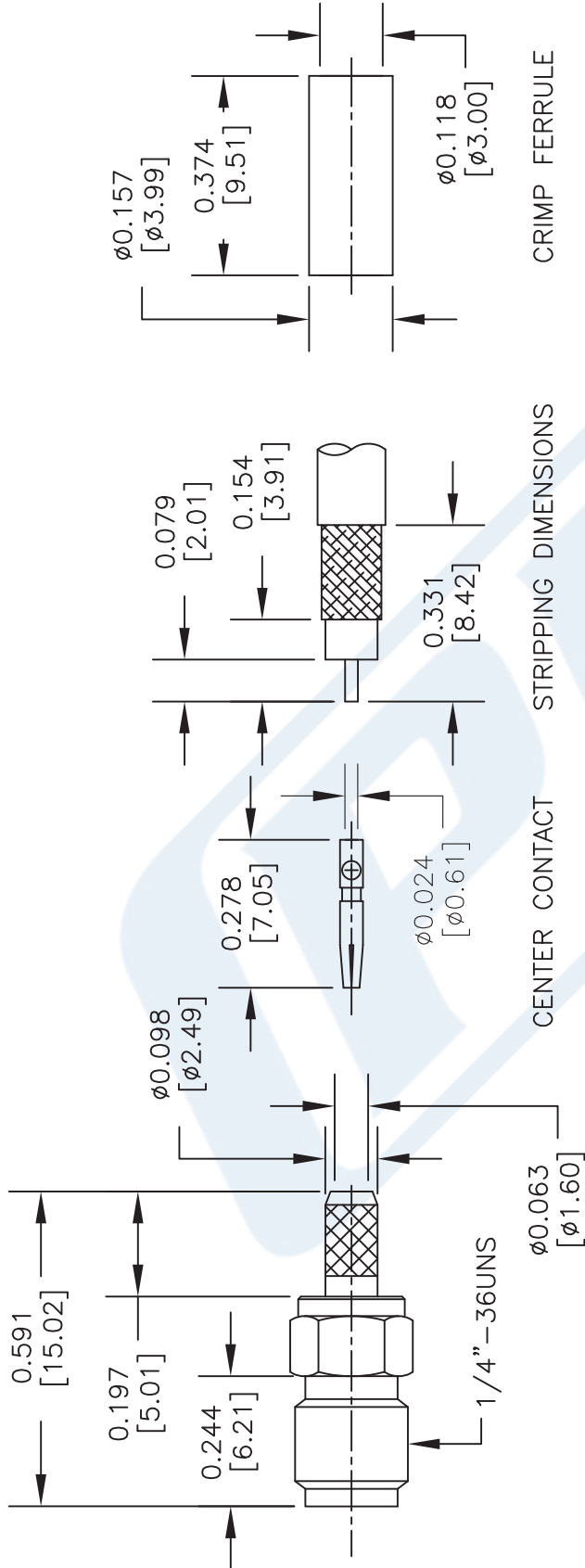
Plotted and Other Data
Notes:

SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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 Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100 PE45137
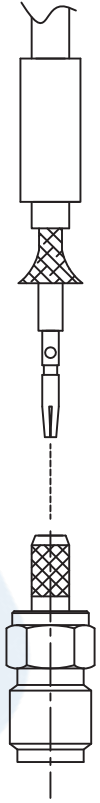
URL: http://www.pasternack.com/sma-female-rg316-rg174-lmr-100-connector-pe45137-p.aspx

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.

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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PE45137 CAD Drawing
SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100

CRIMP FERRULE

ø0.157 [ø3.99]
0.374 [9.51]
ø0.118 [ø3.00]

STRIPPING DIMENSIONS

0.079 [2.01]
0.154 [3.91]
0.331 [8.42]

CENTER CONTACT

0.278 [7.05]
ø0.024 [ø0.61]

ø0.098 [ø2.49]
ø0.063 [ø1.60]

0.591 [15.02]
0.197 [5.01]
0.244 [6.21]
1/4"–36UNS

ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.

2. SLIDE FERRULE ONTO CABLE.

3. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.

4. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.

5. SLIDE FERRULE OVER BRAID AND CRIMP WITH .138" [3.5] HEX. CRIMP TOOL.

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].

DWG TITLE		
PE45137		
FSCM NO. 53919	CAD FILE 021215	SCALE N/A
		SIZE A
		200

PE PASTERNACK
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

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