



SMA Male Connector Clamp/Solder Attachment for RG316, RG174, LMR-100

RF Connectors Technical Data Sheet

PE45142

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, LMR-100 Interface Type
- Clamp/Solder Attachment
- 5/16 Inch Hex

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size	
Length	0.646 in [16.41 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50µ in. minimum
Insulation	Teflon	
Body	Brass	Gold 3µ in. minimum
Coupling Nut	Brass	Gold 3µ in. minimum

Environmental Specifications

Temperature

Operating Range	-65 to 165 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG316, RG174, LMR-100 PE45142](#)



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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

12/17/2014

Plotted and Other Data

Notes:

SMA Male Connector Clamp/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.

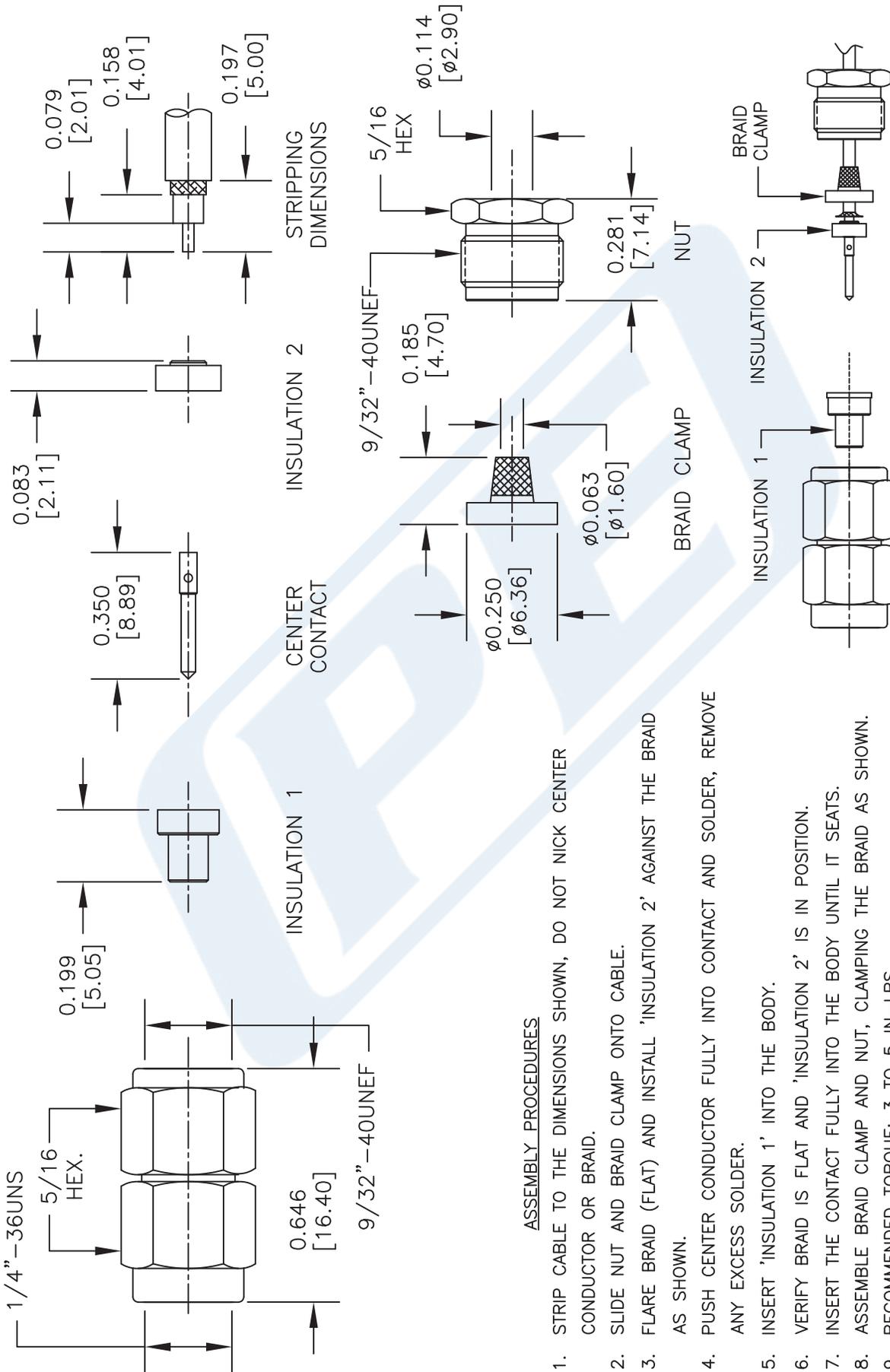
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG316, RG174, LMR-100 PE45142](http://www.pasternack.com/sma-male-rg316-rg174-lmr-100-connector-pe45142-p.aspx)

URL: <http://www.pasternack.com/sma-male-rg316-rg174-lmr-100-connector-pe45142-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.

PE45142 CAD Drawing

SMA Male Connector Clamp/Solder Attachment for RG316, RG174, LMR-100



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE NUT AND BRAID CLAMP ONTO CABLE.
3. FLARE BRAID (FLAT) AND INSTALL 'INSULATION 2' AGAINST THE BRAID AS SHOWN.
4. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
5. INSERT 'INSULATION 1' INTO THE BODY.
6. VERIFY BRAID IS FLAT AND 'INSULATION 2' IS IN POSITION.
7. INSERT THE CONTACT FULLY INTO THE BODY UNTIL IT SEATS.
8. ASSEMBLE BRAID CLAMP AND NUT, CLAMPING THE BRAID AS SHOWN.
9. RECOMMENDED TORQUE: 3 TO 5 IN-LBS.

DWG TITLE

PE45142

- 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].

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CAD FILE 111015

SCALE N/A

SIZE A

150