



Reverse Polarity SMA Female Bulkhead Mount Connector Crimp/
Solder Attachment for RG188-DS, RG316-DS, .235 inch D Hole

TECHNICAL DATA SHEET

PE45189

Configuration

| | |
|------------------------------------|-----------------------------|
| Connector | SMA Female Reverse Polarity |
| Connector Interface Type | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |
| Mount Method | Bulkhead |

Electrical Specifications

| | |
|-----------|---------|
| Impedance | 50 Ohms |
|-----------|---------|

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.08 in [27.43 mm] |
| Width/Dia. | 0.312 in [7.92 mm] |
| Weight | 0.006 lbs [2.72 g] |

Connector

| | |
|------------------------------|-----------------------------|
| Type | SMA Female Reverse Polarity |
| Contact Material and Plating | Gold |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | PTFE |

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

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 06/18/2012 |

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 Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .235 inch D Hole PE45189](#)



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TECHNICAL DATA SHEET

PE45189

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Reverse Polarity SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .235 inch D Hole 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.

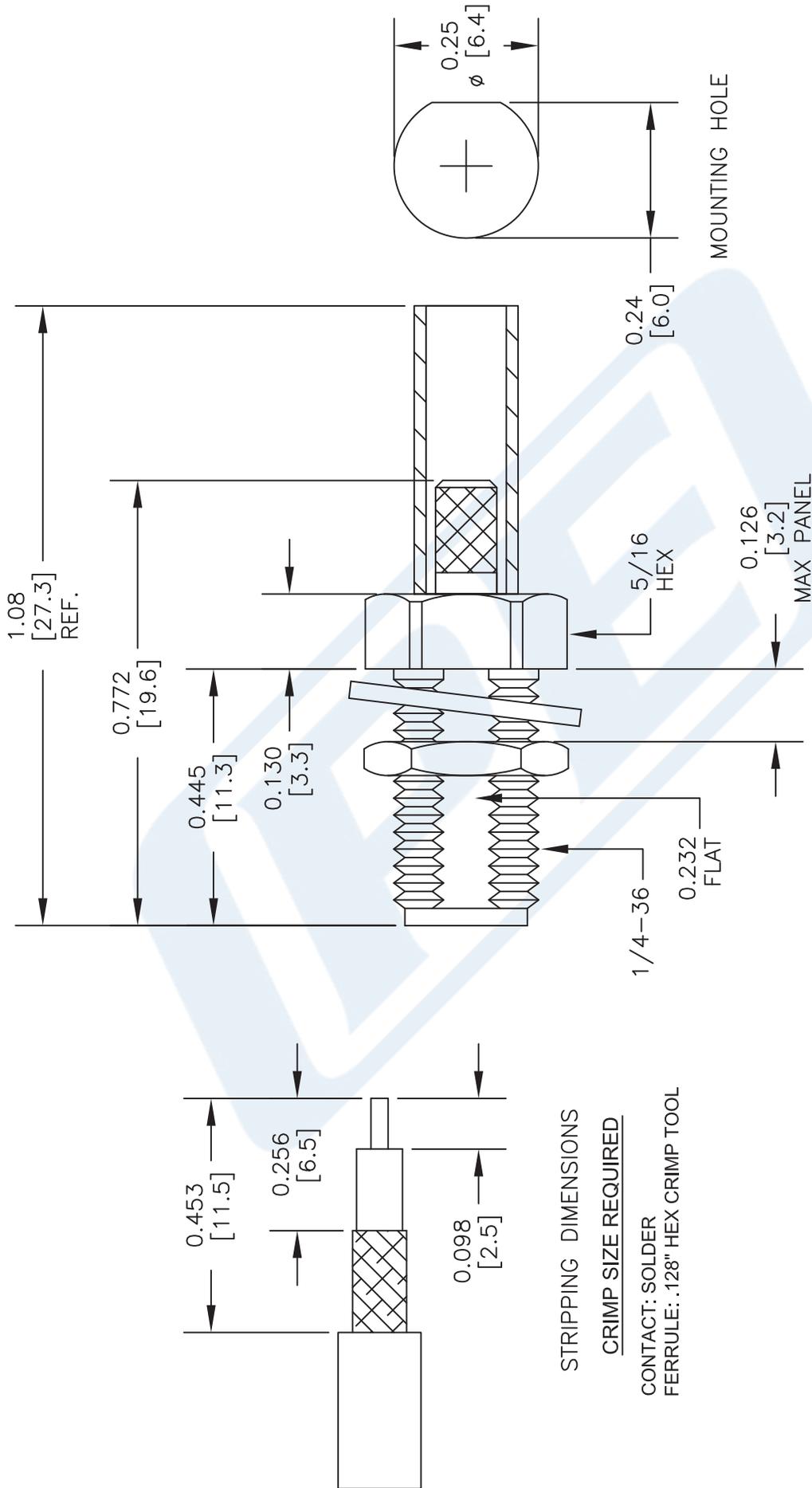
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG188-DS, RG316-DS, .235 inch D Hole PE45189](http://www.pasternack.com/sma-female-reverse-polarity-rg188-ds-rg316-ds-connector-pe45189-p.aspx)

URL: <http://www.pasternack.com/sma-female-reverse-polarity-rg188-ds-rg316-ds-connector-pe45189-p.aspx>

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PE45189 CAD Drawing

Reverse Polarity SMA Female Bulkhead Mount Connector Crimp/
Solder Attachment for RG188-DS, RG316-DS, .235 inch D Hole



DWG TITLE

PE45189

FSCM NO. 53919

- 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. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE 031715

SCALE N/A

SIZE A

2233



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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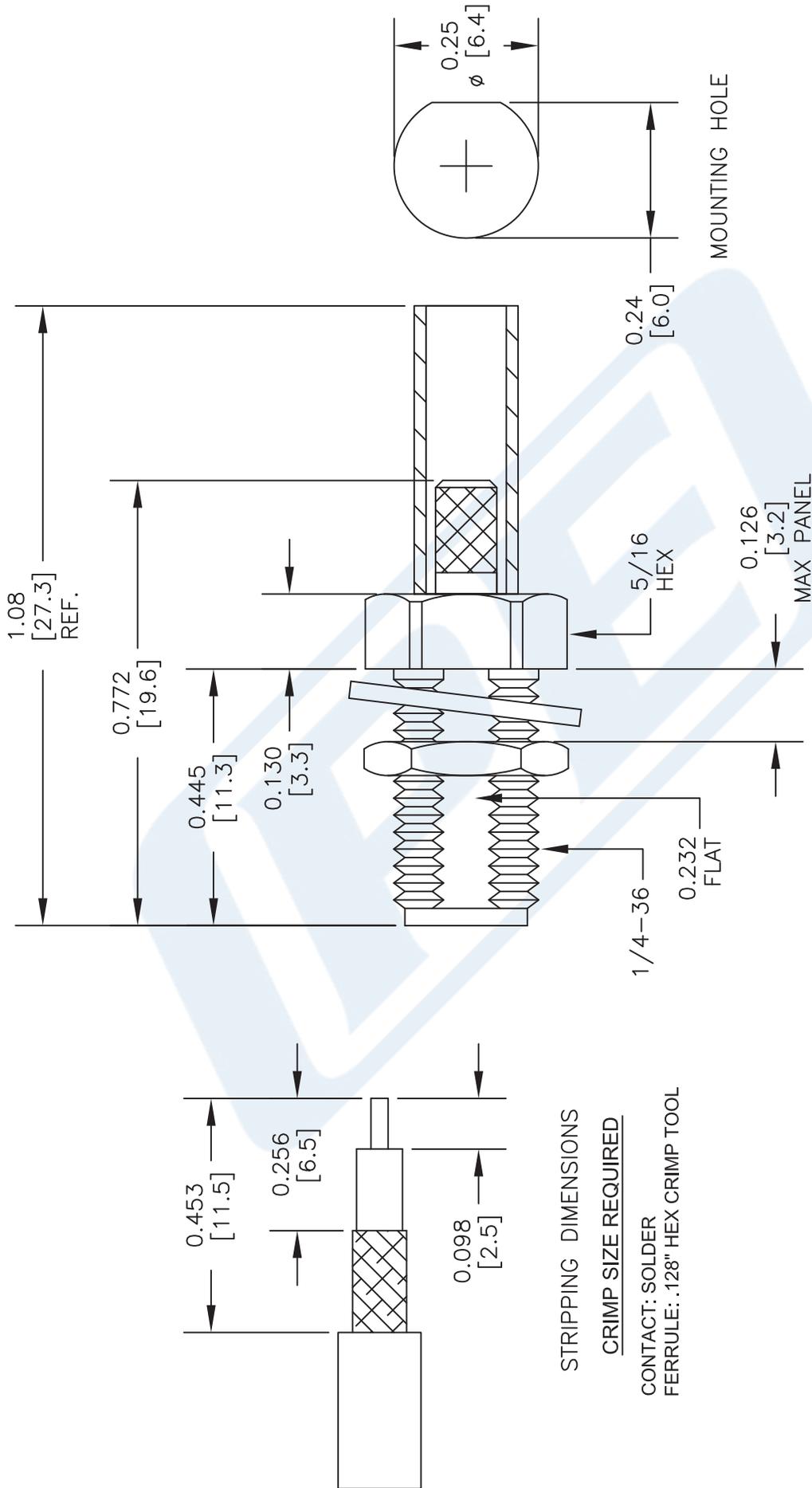
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG316-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Operating Voltage (AC) | | | 1,200 | Vrms |
| Nominal Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|--------|----|----------|
| Frequency | 0.1 | 0.4 | 1 | 3 | | GHz |
| Attenuation, Typ | 11.5 | 17.2 | 30 | 54.5 | | dB/100ft |
| | 37.73 | 56.43 | 98.43 | 178.81 | | dB/100m |
| Input Power (CW), Max | 430 | 210 | 130 | | | Watts |

Mechanical Specifications

| | |
|-----------------------------|--------------------------|
| Diameter | 0.114 in [2.9 mm] |
| Weight | 0.015 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Repeated) | 0.591 in [15.01 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------------|-----------------|
| Inner Conductor | Copper Clad Steel, Silver7 | 0.02 in 0.51 mm |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.06 in 1.52 mm |
| First Shield | Silver Plated Copper Braid | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

Flexible RG316-DS Coax Cable Double
Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG316-DS

| | | |
|---------------|----------------------------|-------------------|
| Second Shield | Silver Plated Copper Braid | 0.094 in 2.39 mm |
| Jacket | FEP, Tan | 0.114 in [2.9 mm] |

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket 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.

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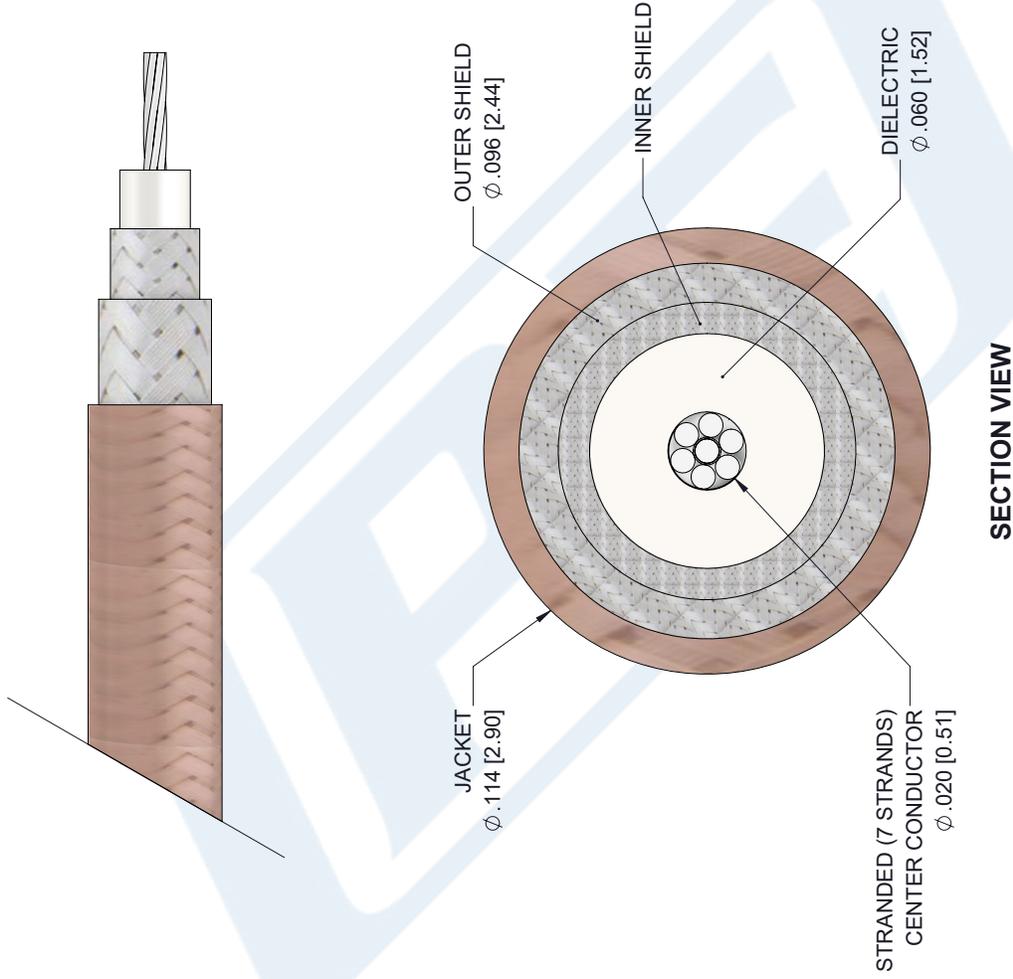
URL: <https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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RG316-DS CAD Drawing

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

| REVISIONS | | | |
|-----------|-----------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| 1.1 | PCR RG316-DS 20190701 | 07/15/19 | S.ELLIS |



| | |
|--|-------------|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | FRACTIONS |
| X±.2 [5.08] | ±.132 |
| .XX±.01 [.25] | ±.132 |
| .XXX±.005 [.13] | ANGLES ± 1° |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |
| THIRD-ANGLE PROJECTION | |

PE PASTERNAK
an INFINITO brand

Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
www.pasternack.com | e-mail: sales@pasternack.com

SIZE [CAGE] DRAWN BY PART NUMBER REV
A 53919 K.Dang RG316-DS A

| | |
|--|------|
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| SHEET 1 | OF 1 |
| SCALE N/A | |

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