



50 Ohm 1 Watt Precision 2.92mm Male RF Load with Chain Up To 40 GHz

TECHNICAL DATA SHEET

PE6174

50 Ohm 1 Watts Precision 2.92mm Male RF Load With Chain Up To 40 GHz

Pasternack Enterprises line of 2.92mm Terminations are available in 0.5 Watt, 1 Watt and 2 Watt versions and operate from DC to 40 GHz. Our 2.92mm Terminations are manufactured for durability with Passivated Stainless Steel bodies and Gold Plated BeCu (Beryllium Copper) contacts and are with a Chain or No Chain. Pasternack's Male and Female 2.92mm Terminations will mate with 2.92mm, 3.5mm and SMA connectors.

- DC to 40 GHz
- 0.5W, 1W and 2W versions
- Passivated Stainless Steel bodies
- Gold plated BeCu contacts
- Chain and No Chain options

Configuration

| | |
|-------------------------|----------------------------|
| RF Load Design | Precision |
| Connector | 2.92mm Male |
| Connector Specification | MIL-STD-348 |
| Heat Sink | Passivated Stainless Steel |
| Connection Method | Standard |
| Body Style | Straight |

Electrical Specifications

| | |
|----------------------------|----------|
| Frequency Range, GHz | DC to 40 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.25:1 |
| Maximum Input Power, Watts | 1 |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +125 |
|------------------------|-------------|

Size

| | |
|---------------------|---------------|
| Length, in [mm] | 0.594 [15.09] |
| Width/Dia., in [mm] | 0.313 [7.95] |
| Weight, lbs [g] | 0.013 [5.9] |

Connector

| | |
|--------------------------------------|----------------------------|
| Type | 2.92mm Male |
| Mating Cycles | 500 |
| Inner Conductor Material and Plating | Beryllium Copper, Gold |
| Coupling Nut Material and Plating | Passivated Stainless Steel |
| Hex Size, inch | 5/16 |
| Torque, in-lbs [Nm] | 8 [0.9] |
| Body Material and Plating | Passivated Stainless Steel |
| Dielectric Type | Plastic Bead |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 1 Watts Precision 2.92mm Male RF Load With Chain Up To 40 GHz PE6174](#)

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.



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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm 1 Watt Precision 2.92mm Male RF Load with Chain Up To 40 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

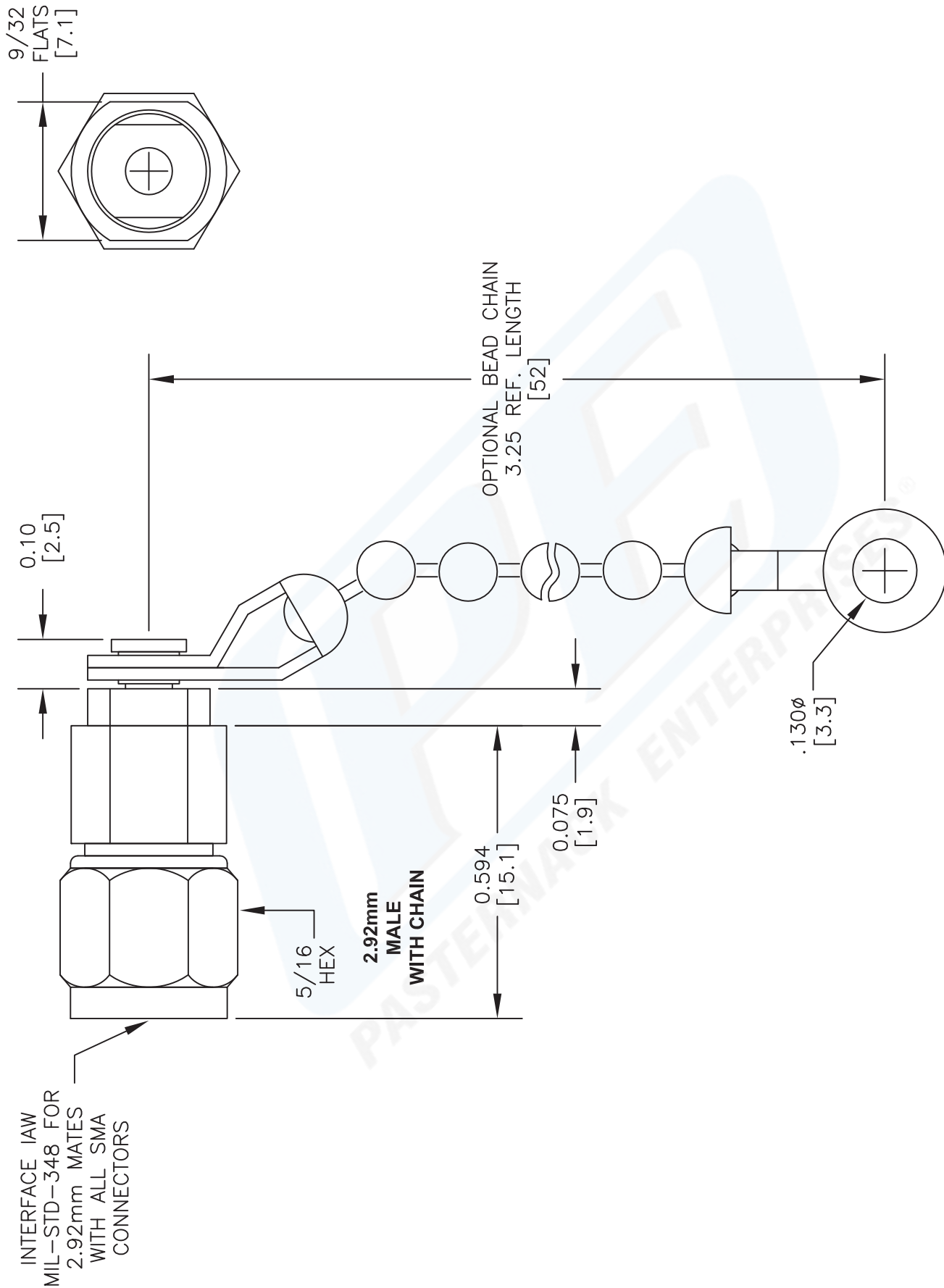
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PE6174 CAD Drawing

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DWG TITLE

PE6174

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].

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

FSCM NO. 53919

CAD FILE 071712

SCALE N/A

SIZE A

2233