



## 25 Watt RF Load Up to 3 GHz With N Male Input Round Body Black Anodized Aluminum Heatsink

### RF Terminations Technical Data Sheet

PE6228

#### Features

- DC to 3 GHz Frequency Range
- VSWR 1.2:1 Max
- Max Power 25 Watt (CW)
- N Male Coaxial Interface

#### Applications

- Wireless
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

#### Description

Pasternack's PE6228 is an RF termination (also called RF load or dummy load) that operates from DC to 3 GHz and handles up to 25 Watt (CW). Our N termination / load has a male gender. PE6228 N load termination offers 1.2:1 max VSWR. This Pasternack 25W N terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. Pasternack offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

#### Electrical Specifications

| Description   | Minimum | Typical | Maximum | Units |
|---|---------|---------|---------|-------|
| Frequency Range                                       | DC      |         | 3       | GHz   |
| Impedance   |         | 50      |         | Ohms  |
| VSWR  |         |         | 1.2:1   |       |
| Input Power (CW)<br>derated linearly to 10W at +125°C |         |         | 25      | Watts |
| Input Power (Peak)                                    |         |         | 500     | Watts |

#### Mechanical Specifications

##### Size

|        |                     |
|--------|---------------------|
| Length | 3.74 in [95 mm]     |
| Width  | 1.65 in [41.91 mm]  |
| Weight | 0.45 lbs [204.12 g] |

##### Configuration

|           |        |
|-----------|--------|
| Connector | N Male |
|-----------|--------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [25 Watt RF Load Up to 3 GHz With N Male Input Round Body Black Anodized Aluminum Heatsink PE6228](#)



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#### Material Specifications

| Description         | Material                         | Plating   |
|---------------------|----------------------------------|-----------|
| Connector 1 Contact | Brass                            | Gold      |
| Insulation          | PTFE                             |           |
| Body                | Brass                            | Tri-Metal |
| Coupling Nut        | Brass                            | Tri-Metal |
| Housing             | Black Anodized Aluminum Heatsink |           |

#### Environmental Specifications

##### Temperature

Operating Range -45 to +125 deg C

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

REACH Compliant 12/17/2015

#### Plotted and Other Data

Notes:

25 Watt RF Load Up to 3 GHz With N Male Input Round Body Black Anodized Aluminum Heatsink 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.

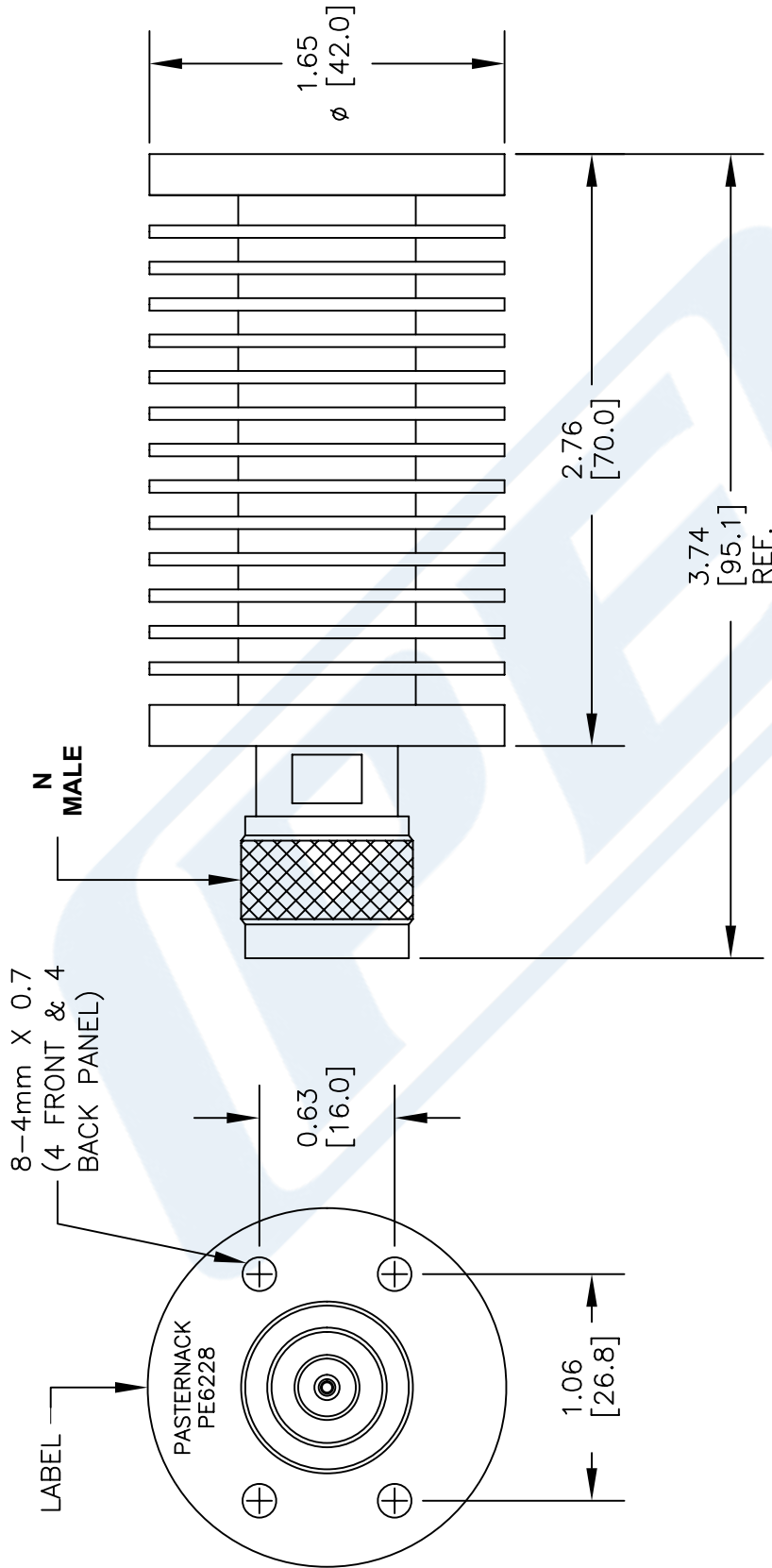
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [25 Watt RF Load Up to 3 GHz With N Male Input Round Body Black Anodized Aluminum Heatsink PE6228](http://www.pasternack.com/25-watts-n-male-rf-load-up-to-3-ghz-pe6228-p.aspx)

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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.

# PE6228 CAD Drawing

25 Watt RF Load Up to 3 GHz With N Male Input Round  
Body Black Anodized Aluminum Heatsink



| STANDARD TOLERANCES |            |
|---------------------|------------|
| DECIMAL             | $\pm 0.20$ |
| .XX                 | $\pm 0.10$ |
| .XXX                |            |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

|  |   |
|--|---|
| <p>NOTES:</p> <ol style="list-style-type: none"> <li>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.</li> <li>ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.</li> <li>DIMENSIONS ARE IN INCHES [mm].</li> </ol>     |   |
| <p>DWG TITLE</p> <h2>PE6228</h2>   |   |
| <p>FSCM NO. 53919</p>  | <p>CAD FILE 052616</p> <p>SCALE N/A</p> <p>SIZE A</p> <p>3045</p> |
| <p><b>PE PASTERNAK</b><br/>THE ENGINEER'S RF SOURCE<br/>Pasternack Enterprises, Inc.<br/>P.O. Box 16759   Irvine   CA   92623<br/>Phone: (949) 261-1920   Fax: (949) 261-7451<br/>Website: www.pasternack.com   E-Mail: sales@pasternack.com</p> |   |