



40 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink  
Black Anodized Body Rated To 10 Watts Up To 12.4 GHz

TECHNICAL DATA SHEET

PE7048-40

**40 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 12.4 GHz**

**Configuration**

|                           |                                   |
|---------------------------|-----------------------------------|
| Design                    | Fixed, Bidirectional Attenuator   |
| Connector 1               | N Male                            |
| Connector 2               | N Female                          |
| Body Material and Plating | Aluminum Heatsink, Black Anodized |

**Electrical Specifications**

|                            |            |
|----------------------------|------------|
| Frequency Range, GHz       | DC to 12.4 |
| Impedance, Ohms            | 50         |
| Attenuation Value, dB      | 40         |
| Maximum Input Power, Watts | 10         |
| Maximum VSWR               | 1.35:1     |

**Frequency 1**

|                          |            |
|--------------------------|------------|
| Range, GHz               | DC to 12.4 |
| VSWR                     | 1.35:1     |
| Attenuation Accuracy, dB | ± 1.5      |

**Mechanical Specifications**

**Size**

|                 |              |
|-----------------|--------------|
| Length, in [mm] | 2.66 [67.56] |
| Width, in [mm]  | 1 [25.4]     |

**Connector 1**

|                                   |                            |
|-----------------------------------|----------------------------|
| Type                              | N Male                     |
| Connector Specification           | MIL-STD-348                |
| Contact Material and Plating      | Beryllium Copper, Gold     |
| Coupling Nut Material and Plating | Brass, Nickel              |
| Body Material and Plating         | Passivated Stainless Steel |

**Connector 2**

|                              |                            |
|------------------------------|----------------------------|
| Type                         | N Female                   |
| Connector Specification      | MIL-STD-348                |
| Contact Material and Plating | Beryllium Copper, Gold     |
| Body Material and Plating    | Passivated Stainless Steel |

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

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [40 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 12.4 GHz PE7048-40](#)

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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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

40 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 12.4 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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# PE7048-40 CAD Drawing

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| P/N       | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7048-1  | 1 dB   | 1      |
| PE7048-2  | 2 dB   | 1      |
| PE7048-3  | 3 dB   | 1      |
| PE7048-6  | 6 dB   | 1      |
| PE7048-10 | 10 dB  | 1      |
| PE7048-20 | 20 dB  | 1      |
| PE7048-30 | 30 dB  | 2      |
| PE7048-40 | 40 dB  | 2      |

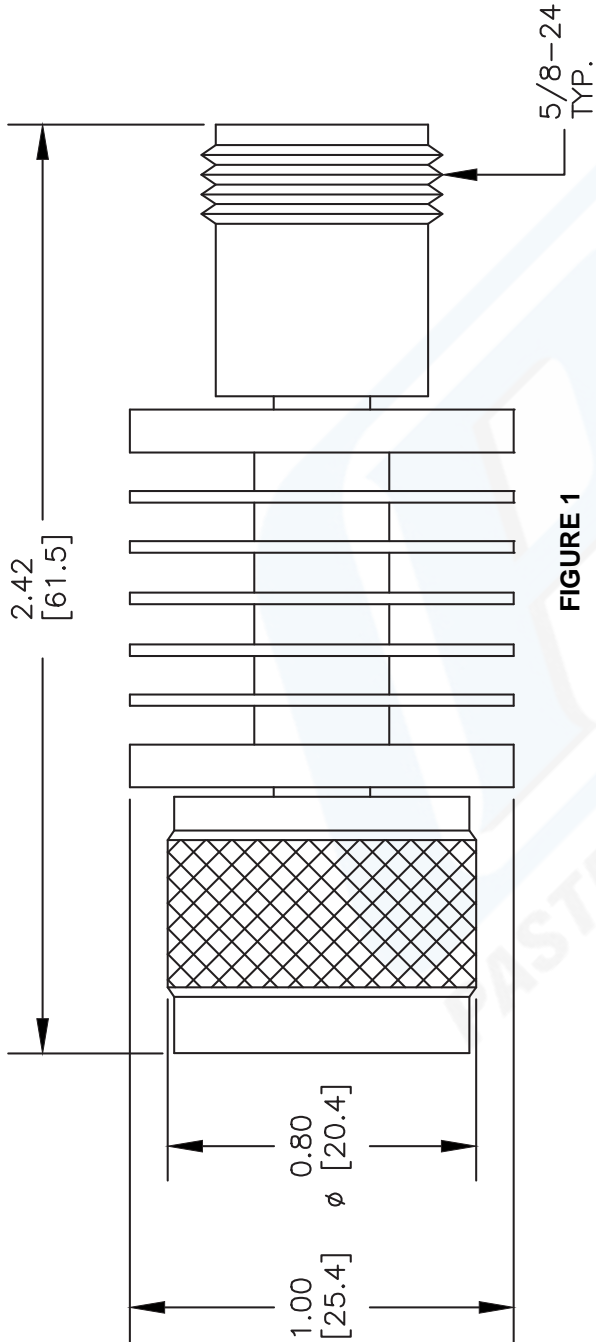
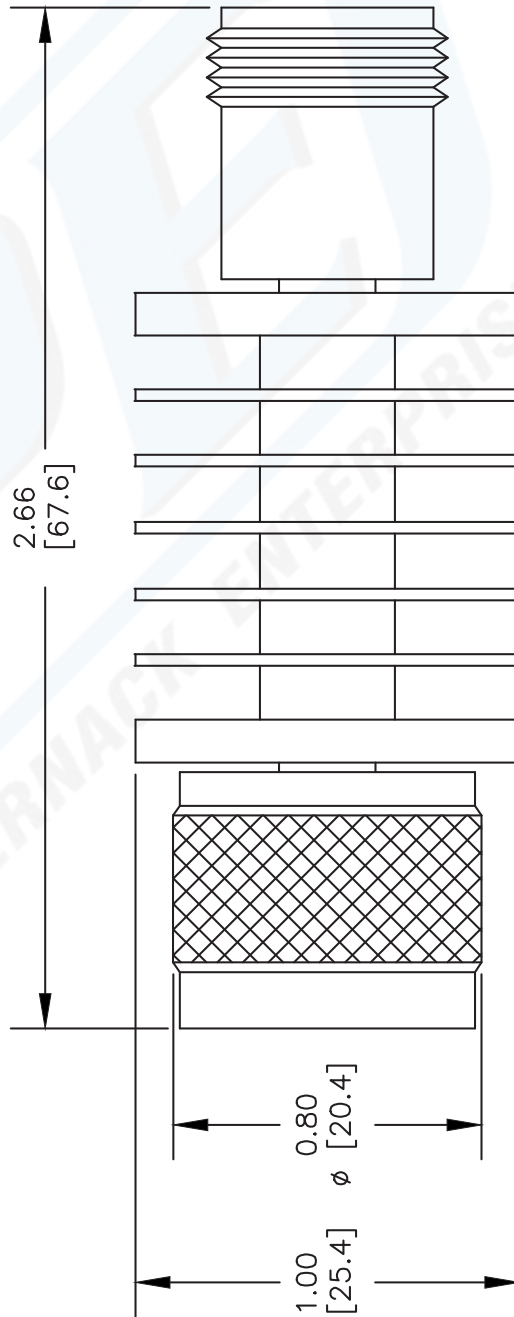


FIGURE 1



N MALE

N FEMALE



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DWG TITLE

**PE7048**

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].

REV. A FSCM NO. 53919

CAD FILE 030513-A

SCALE N/A

SIZE A

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