



7 dB Fixed Attenuator, N Male To N Female Passivated  
 Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz

TECHNICAL DATA SHEET PE7047-7

**7 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz**

**Configuration**

|                           |                                 |
|---------------------------|---------------------------------|
| Design                    | Fixed, Bidirectional Attenuator |
| Connector 1               | N Male                          |
| Connector 2               | N Female                        |
| Body Material and Plating | Passivated Stainless Steel      |

**Electrical Specifications**

|                            |            |
|----------------------------|------------|
| Frequency Range, GHz       | DC to 12.4 |
| Impedance, Ohms            | 50         |
| Attenuation Value, dB      | 7          |
| Maximum Input Power, Watts | 2          |

**Frequency 1**

|                          |         |
|--------------------------|---------|
| Range, GHz               | DC to 4 |
| VSWR                     | 1.15:1  |
| Attenuation Accuracy, dB | ± 0.5   |

**Frequency 2**

|                          |        |
|--------------------------|--------|
| Range, GHz               | 4 to 8 |
| VSWR                     | 1.2:1  |
| Attenuation Accuracy, dB | ± 0.5  |

**Frequency 3**

|                          |           |
|--------------------------|-----------|
| Range, GHz               | 8 to 12.4 |
| VSWR                     | 1.25:1    |
| Attenuation Accuracy, dB | ± 0.5     |

**Mechanical Specifications**

**Temperature**

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -65 to +125 |
|------------------------|-------------|

**Size**

|                 |               |
|-----------------|---------------|
| Length, in [mm] | 1.765 [44.83] |
| Width, in [mm]  | 0.8 [20.32]   |

**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 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz PE7047-7](#)

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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**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 |
|----------------|-----|

**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

7 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 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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# PE7047-7 CAD Drawing

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| P/N       | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7047-1  | 1 dB   | 1      |
| PE7047-2  | 2 dB   | 1      |
| PE7047-3  | 3 dB   | 1      |
| PE7047-4  | 4 dB   | 1      |
| PE7047-5  | 5 dB   | 1      |
| PE7047-6  | 6 dB   | 1      |
| PE7047-7  | 7 dB   | 1      |
| PE7047-8  | 8 dB   | 1      |
| PE7047-9  | 9 dB   | 1      |
| PE7047-10 | 10 dB  | 1      |
| PE7047-12 | 12 dB  | 1      |
| PE7047-15 | 15 dB  | 1      |
| PE7047-20 | 20 dB  | 1      |
| PE7047-30 | 30 dB  | 1      |
| PE7047-40 | 40 dB  | 1      |

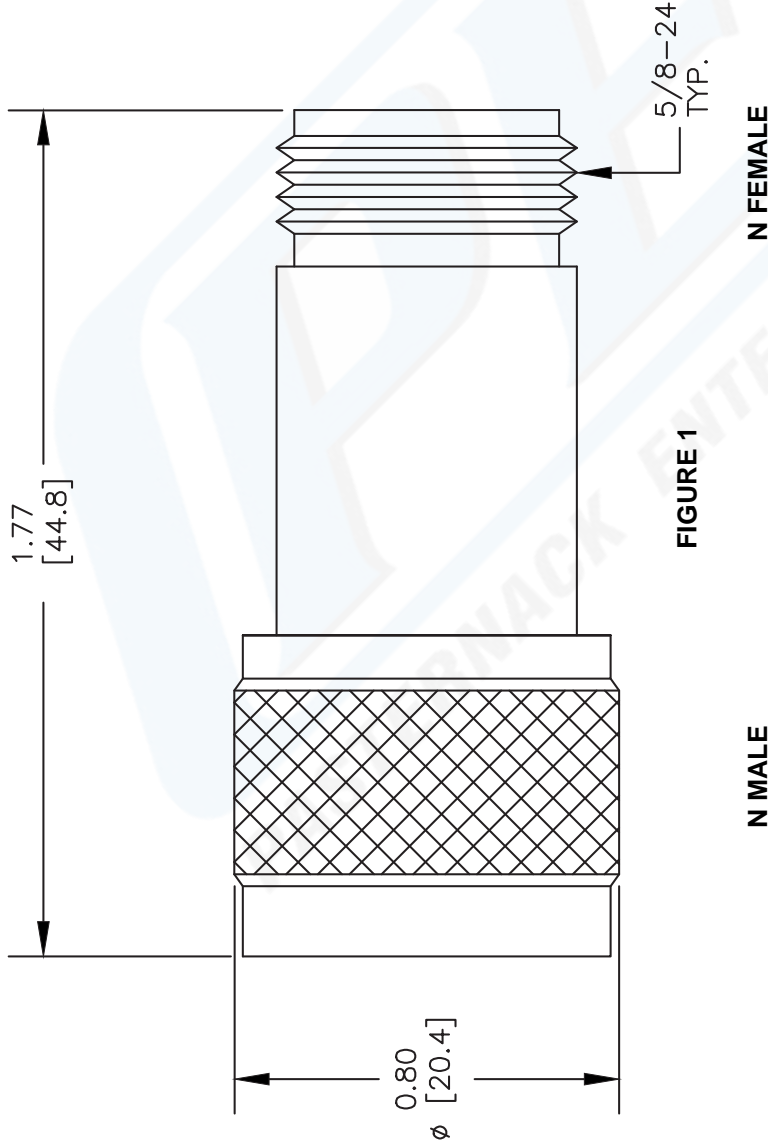


FIGURE 1

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].

DWG TITLE  
**PE7047**

FSCM NO. 53919

CAD FILE 030513

SCALE N/A

SIZE A

XXXX

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