



6 dB Fixed Attenuator, BNC Male To BNC  
Female Rated To 1 Watt Up To 2 GHz

TECHNICAL DATA SHEET

PE7000-6

**6 dB Fixed Attenuator, BNC Male To BNC Female Rated To 1 Watt Up To 2 GHz**

**Configuration**

|                           |                                 |
|---------------------------|---------------------------------|
| Design                    | Fixed, Bidirectional Attenuator |
| Connector 1               | BNC Male                        |
| Connector 2               | BNC Female                      |
| Body Material and Plating | Brass, Nickel                   |

**Electrical Specifications**

|                            |         |
|----------------------------|---------|
| Frequency Range, GHz       | DC to 2 |
| Impedance, Ohms            | 50      |
| Attenuation Value, dB      | 6       |
| Maximum Input Power, Watts | 1       |
| Maximum VSWR               | 1.2:1   |

**Frequency 1**

|                            |         |
|----------------------------|---------|
| Range, GHz                 | DC to 2 |
| Attenuation Accuracy, dB   | ± 0.3   |
| Maximum Input Power, Watts | 1       |

**Mechanical Specifications**

**Temperature**

|                        |            |
|------------------------|------------|
| Operating Range, deg C | -30 to +70 |
|------------------------|------------|

**Size**

|                 |              |
|-----------------|--------------|
| Length, in [mm] | 1.8 [45.72]  |
| Width, in [mm]  | 0.57 [14.48] |

**Connector 1**

|                                   |               |
|-----------------------------------|---------------|
| Type                              | BNC Male      |
| Contact Material and Plating      | Brass, Gold   |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating         | Brass, Nickel |

**Connector 2**

|                              |                        |
|------------------------------|------------------------|
| Type                         | BNC Female             |
| Contact Material and Plating | Beryllium Copper, Gold |
| Body Material and Plating    | Brass, Nickel          |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dB Fixed Attenuator, BNC Male To BNC Female Rated To 1 Watt Up To 2 GHz PE7000-6](#)

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.



6 dB Fixed Attenuator, BNC Male To BNC  
Female Rated To 1 Watt Up To 2 GHz

TECHNICAL DATA SHEET

PE7000-6

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

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

6 dB Fixed Attenuator, BNC Male To BNC Female Rated To 1 Watt Up To 2 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dB Fixed Attenuator, BNC Male To BNC Female Rated To 1 Watt Up To 2 GHz PE7000-6](#)

URL: <http://www.pasternack.com/6db-fixed-bnc-female-bnc-male-1-watt-attenuator-pe7000-6-p.aspx>

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.

PE7000-6 CAD Drawing

6 dB Fixed Attenuator, BNC Male To BNC Female Rated To 1 Watt Up To 2 GHz

| P/N       | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7000-1  | 1 dB   | 1      |
| PE7000-2  | 2 dB   | 1      |
| PE7000-3  | 3 dB   | 1      |
| PE7000-6  | 6 dB   | 1      |
| PE7000-10 | 10 dB  | 1      |
| PE7000-20 | 20 dB  | 1      |
| PE7000-30 | 30 dB  | 1      |

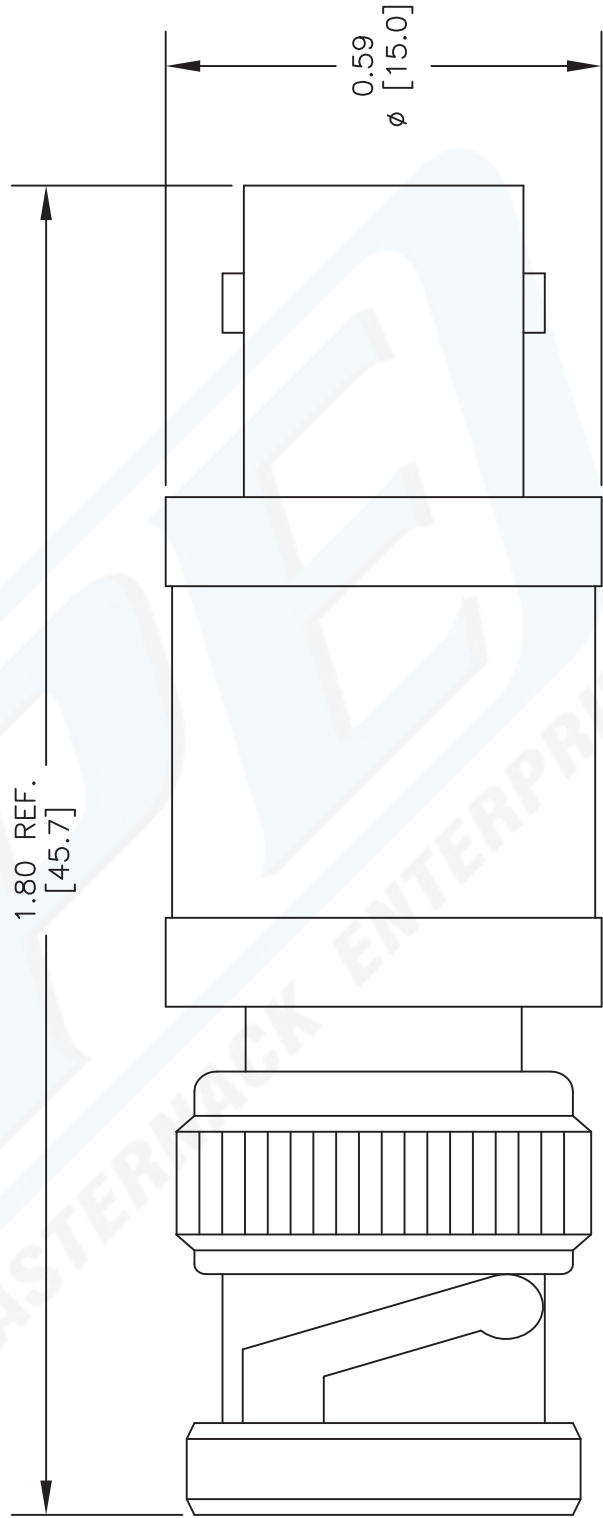


FIGURE 1

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 | FSCM NO. 53919 | CAD FILE | 011513 | SCALE | N/A | SIZE | A | 2233 |
| PE7000    |                |          |        |       |     |      |   |      |



**PASTERNAK®**  
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