



3 dB Fixed Attenuator, BNC Male To BNC Female Aluminum  
Heatsink Black Anodized Body Rated To 10 Watts Up To 2 GHz

TECHNICAL DATA SHEET

PE7025-3

**3 dB Fixed Attenuator, BNC Male To BNC Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 2 GHz**

**Configuration**

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

**Electrical Specifications**

|                            |         |
|----------------------------|---------|
| Frequency Range, GHz       | DC to 2 |
| Impedance, Ohms            | 50      |
| Attenuation Value, dB      | 3       |
| Maximum Input Power, Watts | 10      |
| Maximum VSWR               | 1.6:1   |

**Frequency 1**

|                          |             |
|--------------------------|-------------|
| Range, MHz               | DC to 1,000 |
| VSWR                     | 1.3:1       |
| Attenuation Accuracy, dB | ± 0.6       |

**Frequency 2**

|                          |        |
|--------------------------|--------|
| Range, GHz               | 1 to 2 |
| VSWR                     | 1.6:1  |
| Attenuation Accuracy, dB | ± 1    |

**Mechanical Specifications**

**Size**

|                 |              |
|-----------------|--------------|
| Length, in [mm] | 2.61 [66.29] |
| Width, in [mm]  | 1 [25.4]     |

**Connector 1**

|                                   |               |
|-----------------------------------|---------------|
| Type                              | BNC Male      |
| Connector Specification           | MIL-STD-348   |
| Contact Material and Plating      | Gold          |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating         | Brass, Nickel |

**Connector 2**

|                              |             |
|------------------------------|-------------|
| Type                         | BNC Female  |
| Connector Specification      | MIL-STD-348 |
| Contact Material and Plating | Gold        |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3 dB Fixed Attenuator, BNC Male To BNC Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 2 GHz PE7025-3](#)

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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Body Material and Plating

Brass, Nickel

**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

3 dB Fixed Attenuator, BNC Male To BNC Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts 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.

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PE7025-3 CAD Drawing

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| P/N       | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7025-2  | 2 dB   | 1      |
| PE7025-3  | 3 dB   | 1      |
| PE7025-6  | 6 dB   | 1      |
| PE7025-10 | 10 dB  | 1      |
| PE7025-20 | 20 dB  | 1      |
| PE7025-30 | 30 dB  | 2      |
| PE7025-40 | 40 dB  | 2      |

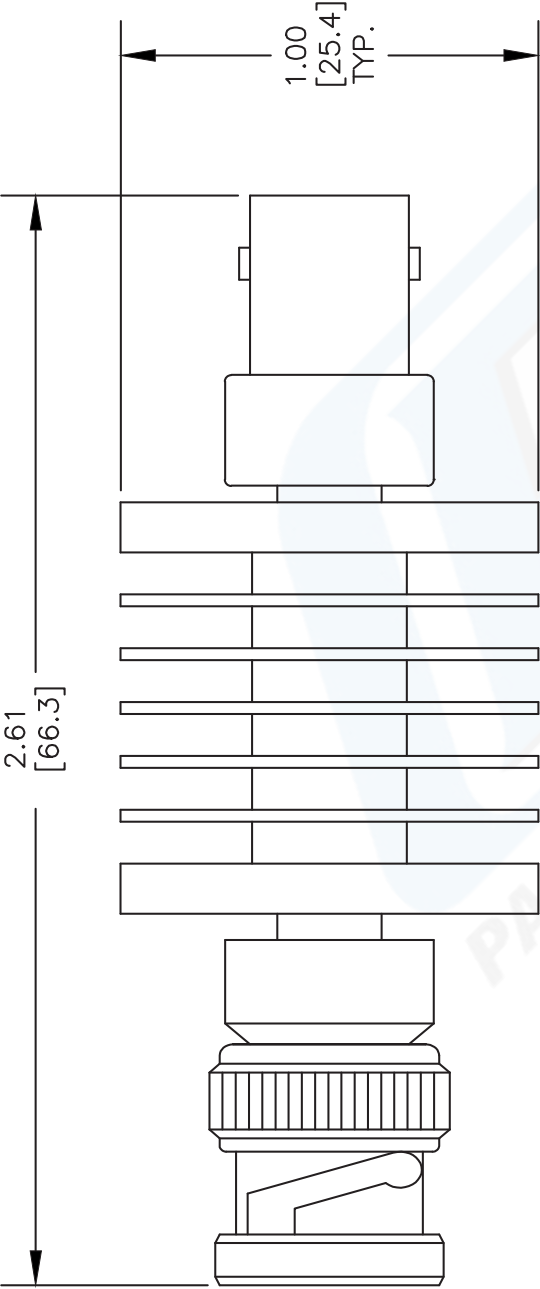


FIGURE 1

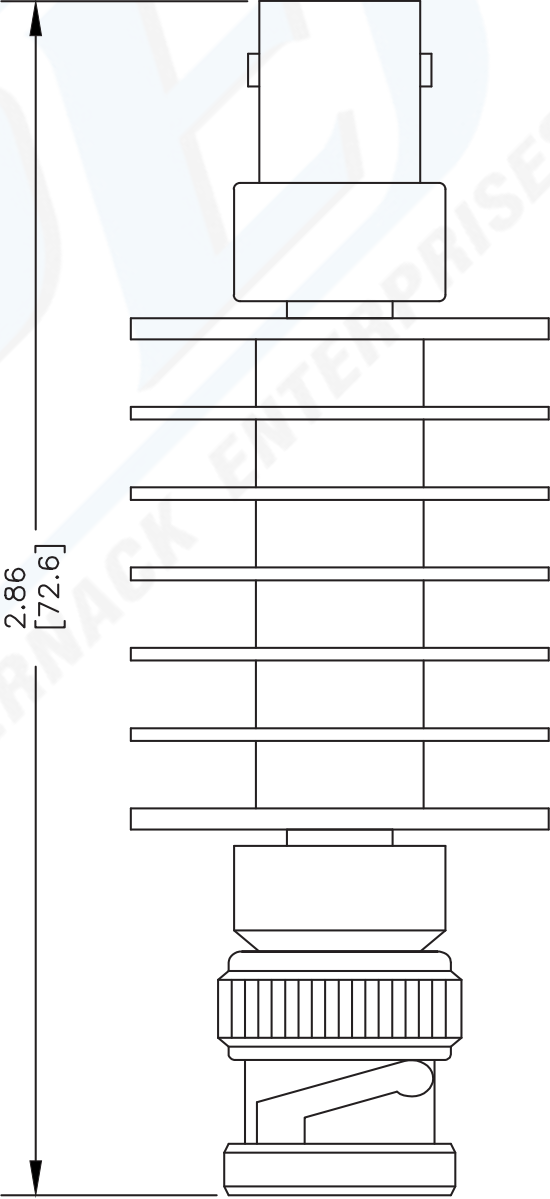


FIGURE 2

BNC MALE

BNC FEMALE

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

PE7025

FSCM NO. 53919

2231

SIZE A

SCALE N/A

CAD FILE 022613

**PE PASTERNAK®**

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