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# 30 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 5 Watts Up To 18 GHz

## TECHNICAL DATA SHEET PE7013-30

**30 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 5 Watts Up To 18 GHz**

### Configuration

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

### Electrical Specifications

| | |
|---|---|
| Frequency Range, GHz | DC to 18 |
| Impedance, Ohms | 50 |
| Attenuation Value, dB | 30 |
| Maximum Input Power, Watts | 5 |
| Maximum VSWR | 1.35:1 |

**Frequency 1**

| | |
|---|---|
| Range, GHz | DC to 18 |
| VSWR | 1.35:1 |
| Attenuation Accuracy, dB | ± 1.5 |

### Mechanical Specifications

**Temperature**

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

**Size**

| | |
|---|---|
| Length, in [mm] | 1.2 [30.48] |
| Width, in [mm] | 0.61 [15.49] |

**Connector 1**

| | |
|---|---|
| Type | SMA Male |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Gold |
| Coupling Nut Material and Plating | Passivated Stainless Steel |
| Hex Size, in. | 5/16 |
| Torque, in-lbs [Nm] | 8 [0.9] |
| Body Material and Plating | Passivated Stainless Steel |

**Connector 2**

| | |
|---|---|
| Type | SMA Female |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Gold |
| 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: 30 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 5 Watts Up To 18 GHz PE7013-30

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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**Compliance Certifications** (visit www.Pasternack.com for current document)

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

**Plotted and Other Data**

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

30 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 5 Watts Up To 18 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: 30 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 5 Watts Up To 18 GHz PE7013-30

URL: http://www.pasternack.com/30db-fixed-sma-female-sma-male-5-watts-attenuator-pe7013-30-p.aspx

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# PE7013-30 CAD Drawing

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| P/N | ATTEN. | FIGURE |
|---|---|---|
| PE7013-1 | 1 dB | 1 |
| PE7013-2 | 2 dB | 1 |
| PE7013-3 | 3 dB | 1 |
| PE7013-6 | 6 dB | 1 |
| PE7013-10 | 10 dB | 1 |
| PE7013-20 | 20 dB | 1 |
| PE7013-30 | 30 dB | 1 |
| PE7013-40 | 40 dB | 1 |

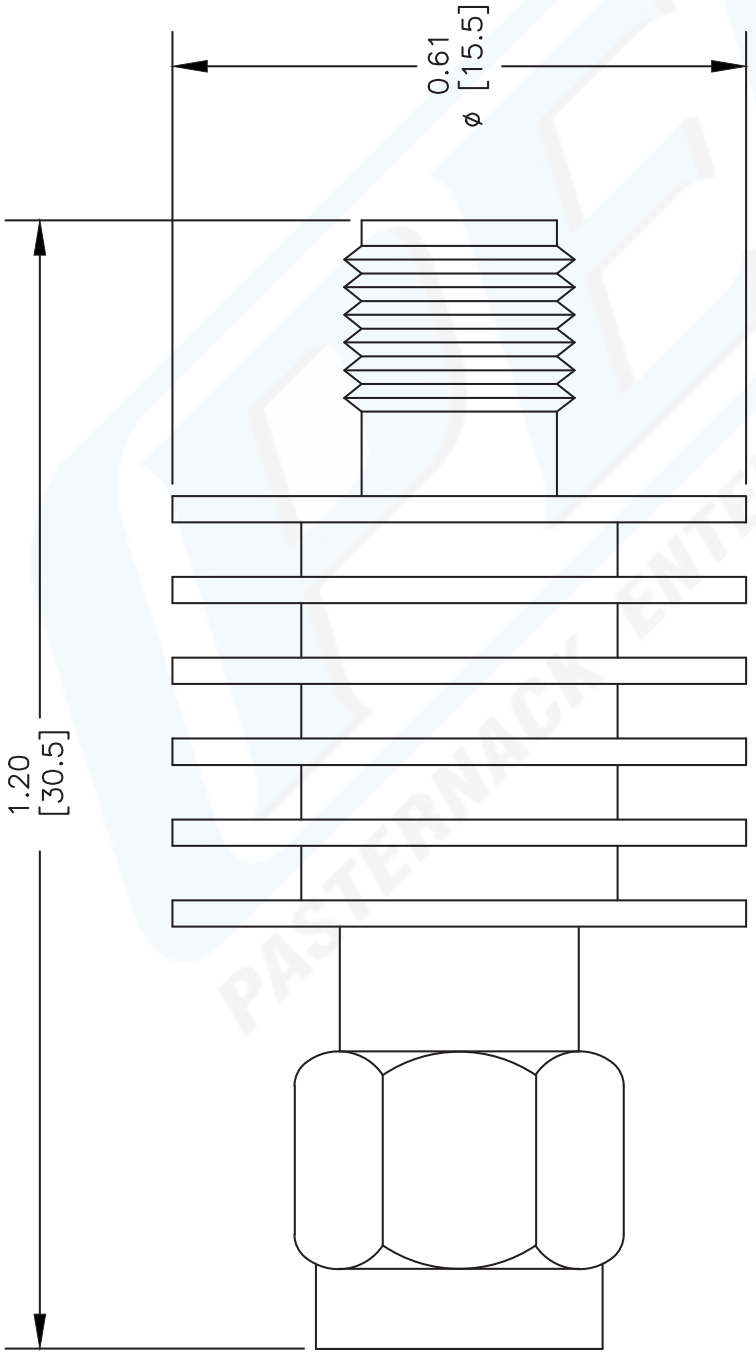


FIGURE 1

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 **PE7013**

CAD FILE 022213 | SCALE N/A | SIZE A | 2231

FSCM NO. 53919

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