



30 dB Fixed Attenuator, SMA Male To SMA Female Passivated Stainless Steel Body Rated To 2 Watts Up To 6 GHz

TECHNICAL DATA SHEET

PE7091-30

30 dB Fixed Attenuator, SMA Male To SMA Female Passivated Stainless Steel Body Rated To 2 Watts Up To 6 GHz

Configuration

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

Electrical Specifications

| | |
|----------------------------|---------|
| Frequency Range, GHz | DC to 6 |
| Impedance, Ohms | 50 |
| Attenuation Value, dB | 30 |
| Maximum Input Power, Watts | 2 |
| Maximum VSWR | 1.35:1 |

Frequency 1

| | |
|----------------------------|---------|
| Range, GHz | DC to 4 |
| VSWR | 1.2:1 |
| Attenuation Accuracy, dB | ± 0.9 |
| Maximum Input Power, Watts | 2 |

Frequency 2

| | |
|--------------------------|--------|
| Range, GHz | 4 to 6 |
| VSWR | 1.35:1 |
| Attenuation Accuracy, dB | ± 0.9 |

Mechanical Specifications

Temperature

| | |
|------------------------|------------|
| Operating Range, deg C | -20 to +85 |
|------------------------|------------|

Size

| | |
|-----------------|--------------|
| Length, in [mm] | 0.86 [21.84] |
| Width, in [mm] | 0.312 [7.92] |

Connector 1

| | |
|-----------------------------------|----------------------------|
| Type | SMA Male |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Beryllium Copper, Gold |
| Coupling Nut Material and Plating | Passivated Stainless Steel |
| Hex Size, Inch | 5/16 |
| Torque, in-lbs [Nm] | 8 [0.9] |
| 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 Passivated Stainless Steel Body Rated To 2 Watts Up To 6 GHz PE7091-30](#)

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.



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Connector 2

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

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 Passivated Stainless Steel Body Rated To 2 Watts Up To 6 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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PE7091-30 CAD Drawing

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| P/N | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7091-0 | 0 dB | 1 |
| PE7091-1 | 1 dB | 1 |
| PE7091-2 | 2 dB | 1 |
| PE7091-3 | 3 dB | 1 |
| PE7091-4 | 4 dB | 1 |
| PE7091-5 | 5 dB | 1 |
| PE7091-6 | 6 dB | 1 |
| PE7091-7 | 7 dB | 1 |
| PE7091-10 | 10 dB | 1 |
| PE7091-12 | 12 dB | 1 |
| PE7091-15 | 15 dB | 1 |
| PE7091-20 | 20 dB | 1 |
| PE7091-30 | 30 dB | 2 |
| PE7091-40 | 40 dB | 2 |

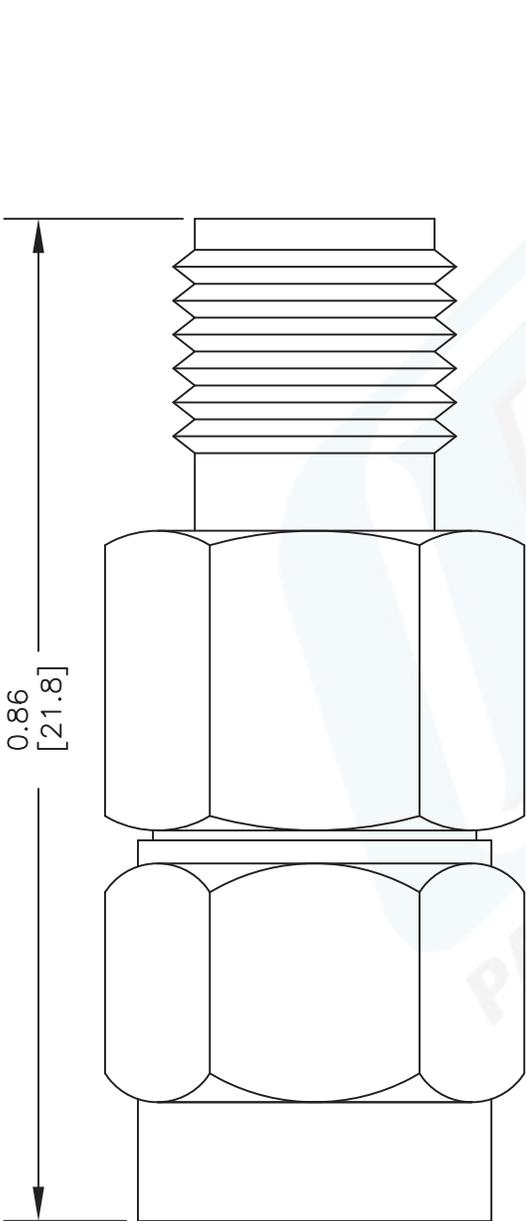


FIGURE 1

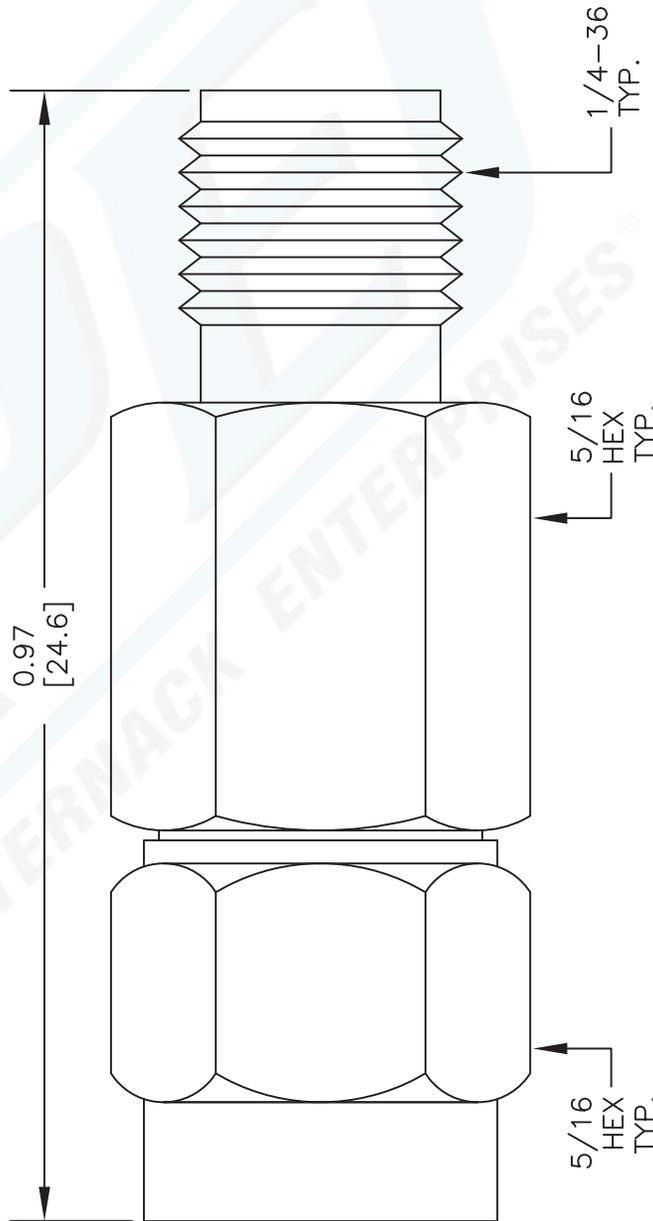


FIGURE 2

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
PE7091

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FSCM NO. 53919

CAD FILE 100713

SCALE N/A

SIZE A

2233