

1 dB Fixed Attenuator, SMA Male To SMA Female Passivated  
Stainless Steel Body Rated To 2 Watts Up To 3 GHz



TECHNICAL DATA SHEET

PE7001-1

**1 dB Fixed Attenuator, SMA Male To SMA Female Passivated Stainless Steel Body Rated To 2 Watts Up To 3 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 3
Impedance, Ohms	50
Attenuation Value, dB	1
Maximum Input Power, Watts	2
Maximum VSWR	1.2:1

**Frequency 1**

Range, GHz	DC to 3
VSWR	1.2:1
Attenuation Accuracy, dB	± 0.6

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-20 to +85
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**Size**

Length, in [mm]	0.86 [21.84]
Width, in [mm]	0.312 [7.92]
Weight, lbs [g]	0.009 [4.08]

**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

**Connector 2**

Type	SMA Female
Connector Specification	MIL-STD-348

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 dB Fixed Attenuator, SMA Male To SMA Female Passivated Stainless Steel Body Rated To 2 Watts Up To 3 GHz PE7001-1](#)

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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Contact Material and Plating  
Body Material and Plating

Beryllium Copper, Gold  
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

URL: <http://www.pasternack.com/1db-fixed-sma-female-sma-male-2-watts-attenuator-pe7001-1-p.aspx>

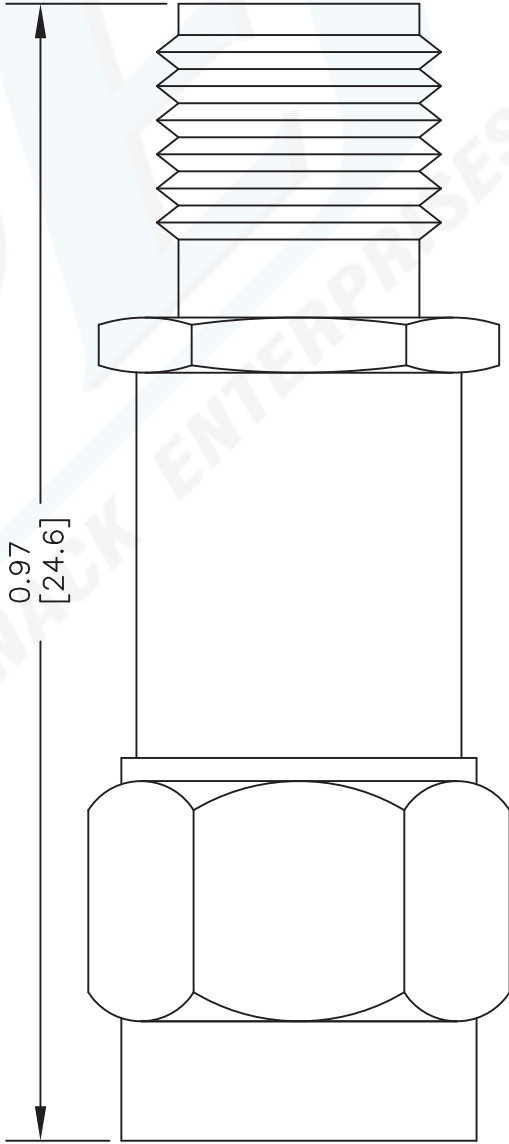
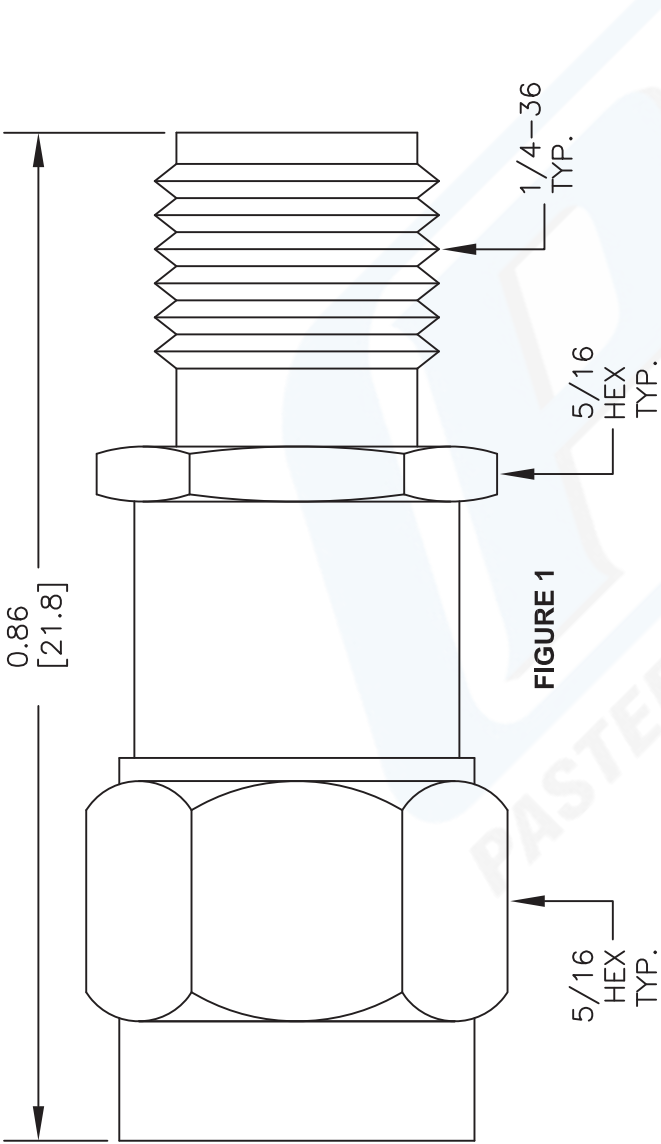
1 dB Fixed Attenuator, SMA Male To SMA Female Passivated Stainless Steel Body Rated To 2 Watts Up To 3 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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PE7001-1 CAD Drawing

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P/N	ATTEN.	FIGURE
PE7001-1	1 dB	1
PE7001-2	2 dB	1
PE7001-3	3 dB	1
PE7001-4	4 dB	1
PE7001-5	5 dB	1
PE7001-6	6 dB	1
PE7001-7	7 dB	1
PE7001-8	8 dB	1
PE7001-9	9 dB	1
PE7001-10	10 dB	1
PE7001-12	12 dB	1
PE7001-15	15 dB	2
PE7001-20	20 dB	2
PE7001-30	30 dB	2
PE7001-40	40 dB	2



SMA FEMALE

FIGURE 2

SMA MALE

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  
**PE7001**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 011513