PASTERNACK®
www.pasternack.com

# 20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 Watts Up To 18 GHz



## TECHNICAL DATA SHEET PE7005-20

**20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 Watts Up To 18 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 18 |
| Impedance, Ohms | 50 |
| Attenuation Value, dB | 20 |
| Maximum Input Power, Watts | 2 |
| Maximum VSWR | 1.35:1 |

**Frequency 1**

| | |
|---|---|
| Range, GHz | DC to 18 |
| VSWR | 1.35:1 |
| Attenuation Accuracy, dB | 0.5 |
| Maximum Input Power, Watts | 2 |

### Mechanical Specifications

**Temperature**

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

**Size**

| | |
|---|---|
| Length, in [mm] | 0.99 [25.15] |
| Width, in [mm] | 0.312 [7.92] |
| Weight, lbs [g] | 0.012 [5.44] |

**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: 20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 Watts Up To 18 GHz PE7005-20

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
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2013 Pasternack Enterprises All Rights Reserved

PASTERNACK®
www.pasternack.com

# 20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 Watts Up To 18 GHz



## TECHNICAL DATA SHEET PE7005-20

**Connector 2**

| | |
|---|---|
| Type | SMA Female |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Beryllium Copper, Gold |
| 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 |

URL: http://www.pasternack.com/20db-fixed-sma-female-sma-male-2-watts-attenuator-pe7005-20-p.aspx

20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 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.

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
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2013 Pasternack Enterprises All Rights Reserved

# PE7005-20 CAD Drawing

20 dB Fixed Attenuator, SMA Male To SMA Female Rated To 2 Watts Up To 18 GHz

| P/N | ATTEN. | FIGURE |
|---|---|---|
| PE7005-1 | 1 dB | 1 |
| PE7005-2 | 2 dB | 1 |
| PE7005-3 | 3 dB | 1 |
| PE7005-4 | 4 dB | 1 |
| PE7005-5 | 5 dB | 1 |
| PE7005-6 | 6 dB | 1 |
| PE7005-7 | 7 dB | 1 |
| PE7005-8 | 8 dB | 1 |
| PE7005-9 | 9 dB | 1 |
| PE7005-10 | 10 dB | 1 |
| PE7005-12 | 12 dB | 1 |
| PE7005-15 | 15 dB | 2 |
| PE7005-20 | 20 dB | 2 |
| PE7005-30 | 30 dB | 2 |
| PE7005-40 | 40 dB | 2 |

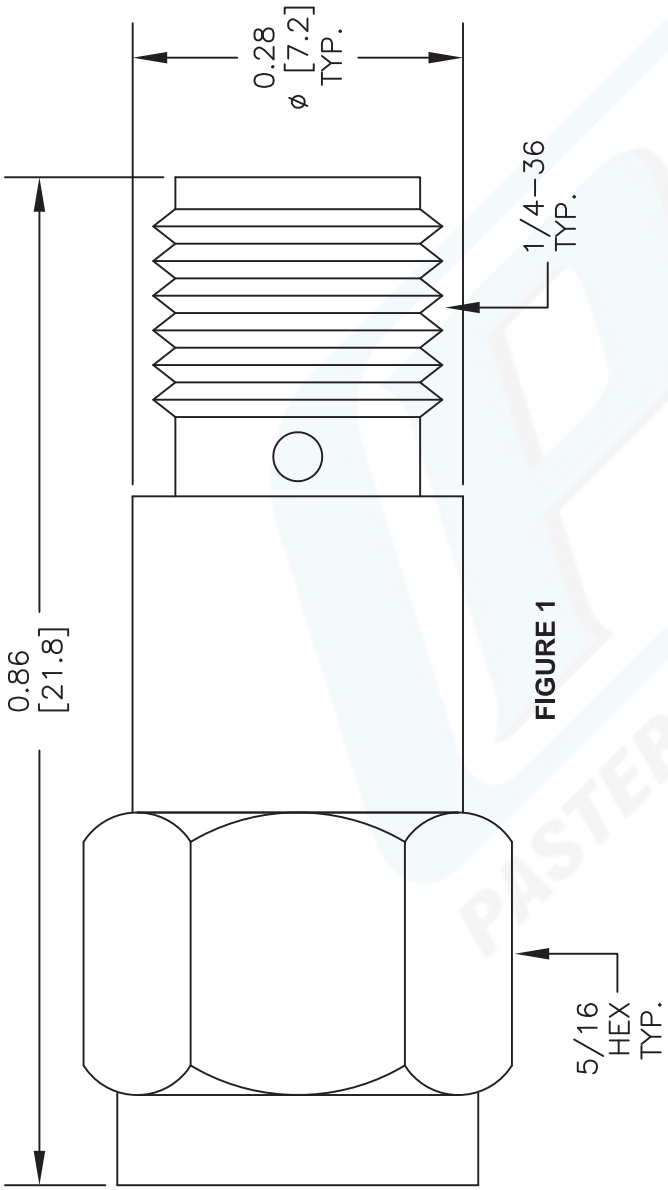


FIGURE 1

SMA MALE

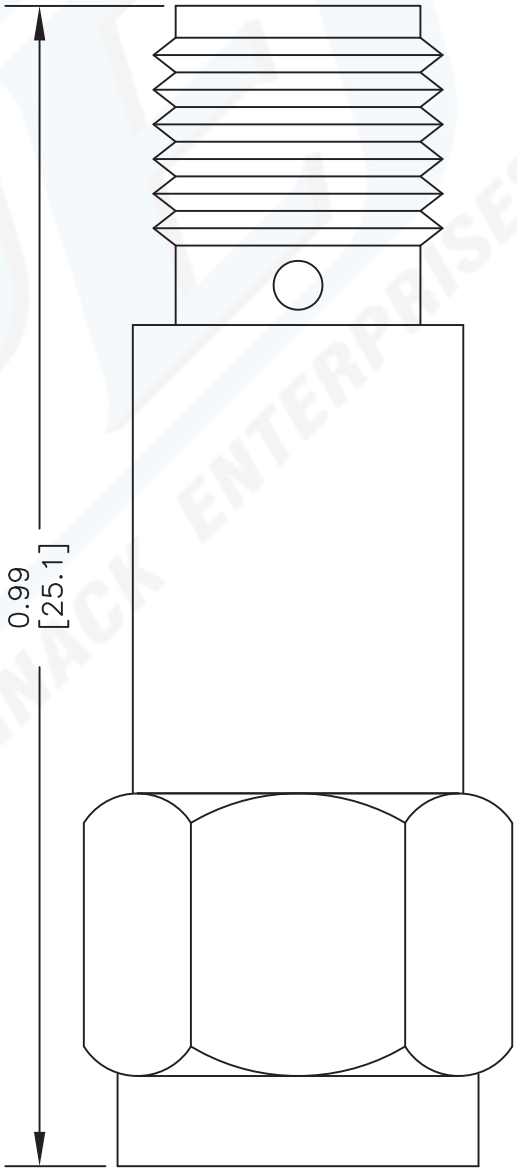


FIGURE 2

SMA 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 **PE7005**

FSCM NO. 53919

CAD FILE 011513

SCALE N/A

SIZE A

2233


PASTERNACK®
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


© 2012 Pasternack Enterprises All Rights Reserved