



6 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 18 GHz

TECHNICAL DATA SHEET

PE7016-6

**6 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 10 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	6
Maximum Input Power, Watts	10
Maximum VSWR	1.4:1

**Frequency 1**

Range, GHz	DC to 18
VSWR	1.4:1
Attenuation Accuracy, dB	± 0.5

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-65 to +125
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**Size**

Length, in [mm]	1.7 [43.18]
Width, in [mm]	1 [25.4]

**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: [6 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 18 GHz PE7016-6](#)

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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**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

6 dB Fixed Attenuator, SMA Male To SMA Female Aluminum Heatsink Black Anodized Body Rated To 10 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.

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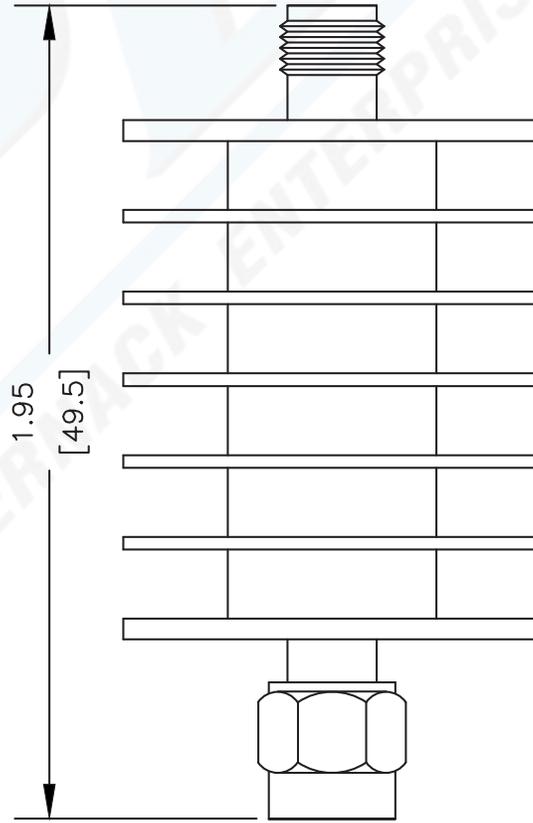
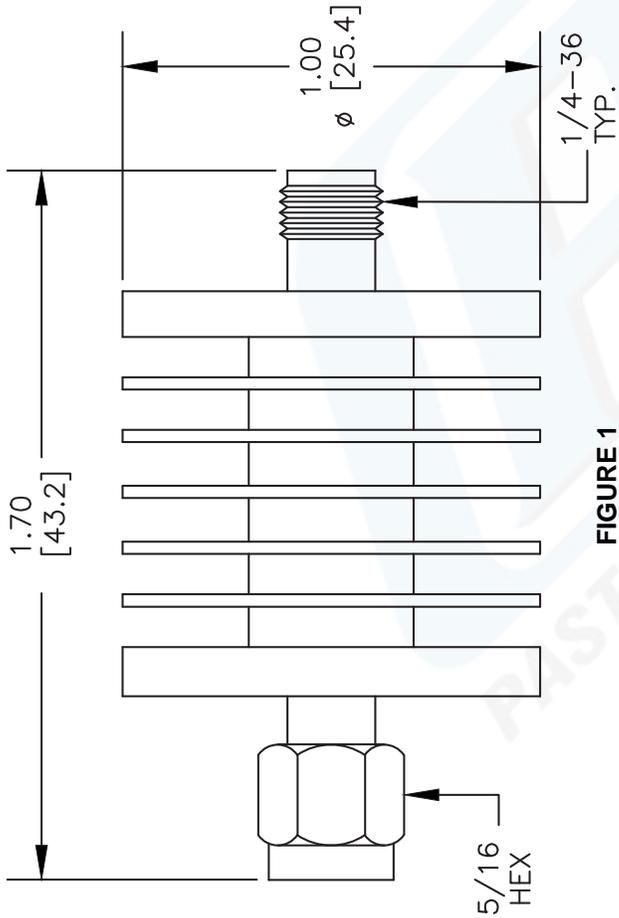
URL: <http://www.pasternack.com/6db-fixed-sma-female-sma-male-10-watts-attenuator-pe7016-6-p.aspx>

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# PE7016-6 CAD Drawing

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P/N	ATTEN.	FIGURE
PE7016-1	1 dB	1
PE7016-2	2 dB	1
PE7016-3	3 dB	1
PE7016-6	6 dB	1
PE7016-10	10 dB	1
PE7016-20	20 dB	1
PE7016-30	30 dB	2
PE7016-40	40 dB	2



SMA FEMALE

FIGURE 2

SMA MALE

DWG TITLE

**PE7016**

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].

**PE PASTERNAK**  
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SCALE N/A

SIZE A

2231