



6 dB DC Bias Attenuator, SMA Male to SMA Female Passivated  
Stainless Steel Body Rated to 2 Watts from 500 MHz to 2 GHz

TECHNICAL DATA SHEET

PE7061-6

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		2	GHz
Impedance		50		Ohms
Attenuation Value		6		dB
Maximum Input Power			2	Watts
VSWR			1.35:1	
DC Bias Voltage			100	Volts
DC Bias Current			2	A
DC Bias Power			100	Watts
DC Bias Resistance			250	mOhms
Attenuation Accuracy			±2	dB

**Configuration**

Design	DC Bias, Bidirectional Attenuator
Connector 1	SMA Male
Connector 2	SMA Female
Body Material and Plating	Passivated Stainless Steel

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-55 to +125
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**Size**

Length, in [mm]	1.185 [30.1]
Width, in [mm]	0.312 [7.92]
Weight, lbs [g]	0.019 [8.62]

**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, 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	Beryllium Copper, 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 DC Bias Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 2 Watts from 500 MHz to 2 GHz PE7061-6](#)



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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
REACH Compliant	01/12/2017

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

6 dB DC Bias Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 2 Watts from 500 MHz to 2 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: [6 dB DC Bias Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 2 Watts from 500 MHz to 2 GHz PE7061-6](https://www.pasternack.com/6db-dc-bias-sma-male-sma-female-2-watts-attenuator-pe7061-6)

URL: <https://www.pasternack.com/6db-dc-bias-sma-male-sma-female-2-watts-attenuator-pe7061-6-p.aspx>

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 does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE7061-6 CAD Drawing

6 dB DC Bias Attenuator, SMA Male to SMA Female Passivated  
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P/N	ATTEN.	FIGURE
PE7061-6	6 dB	1
PE7061-10	10 dB	1
PE7061-20	20 dB	2

FIGURE 1

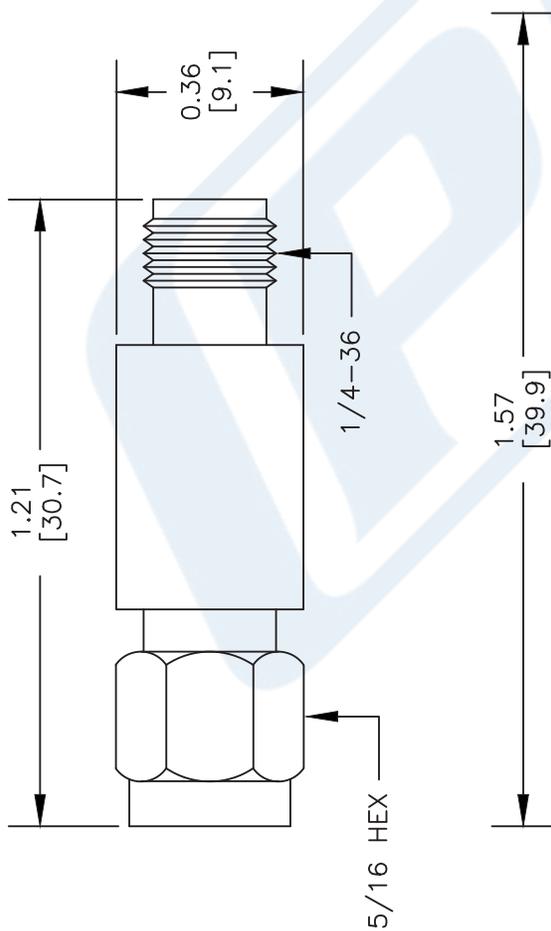
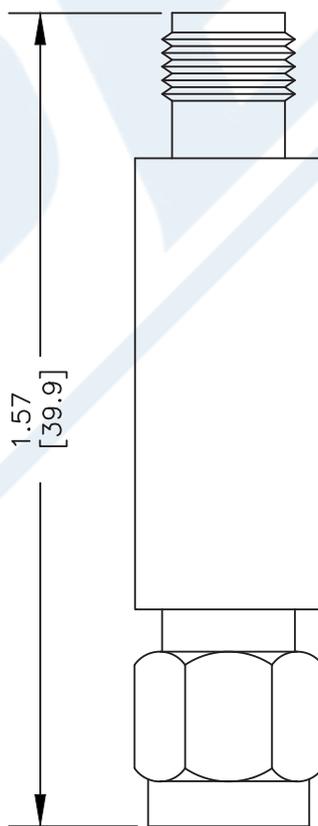


FIGURE 2



DWG TITLE

**PE7061**

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].

FSCM NO. 53919	CAD FILE 030409	SCALE N/A	SIZE A	XXXX
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