



63 dB Programmable Attenuator, SMA Female To SMA Female  
With 1,2,4,8,16,32 dB Steps Rated To 0.5 Watts Up To 1 GHz

TECHNICAL DATA SHEET

PE7011-6A

**63 dB Programmable Attenuator, SMA Female To SMA Female With 1,2,4,8,16,32 dB Steps Rated To 0.5 Watts Up To 1 GHz**

**Configuration**

Design	Programmable, Bidirectional Attenuator
Connector 1	SMA Female
Connector 2	SMA Female
Housing Material and Plating	Aluminum

**Electrical Specifications**

Frequency Range, MHz	DC to 1,000
Impedance, Ohms	50
Attenuation Value, dB	0 to 63
Attenuation Accuracy Per Step, dB	± 0.3
Number of Bits	6
Step Sizes, dB	1,2,4,8,16,32
Step Type	TTL Logic
Maximum Input Power, dBm	+27
Peak Power, Watts	50
Operating DC Voltage, Volts	12
Maximum DC Current, Amps	0.05
Maximum Insertion Loss, dB	2
Maximum VSWR	1.4:1
Switching Time, ms	15

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-20 to +60
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**Size**

Length, in [mm]	4.13 [104.9]
Width, in [mm]	1.86 [47.24]
Height, in [mm]	0.97 [24.64]

**Connector 1**

Type	SMA Female
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**Connector 2**

Type	SMA Female
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [63 dB Programmable Attenuator, SMA Female To SMA Female With 1,2,4,8,16,32 dB Steps Rated To 0.5 Watts Up To 1 GHz PE7011-6A](#)

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)

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

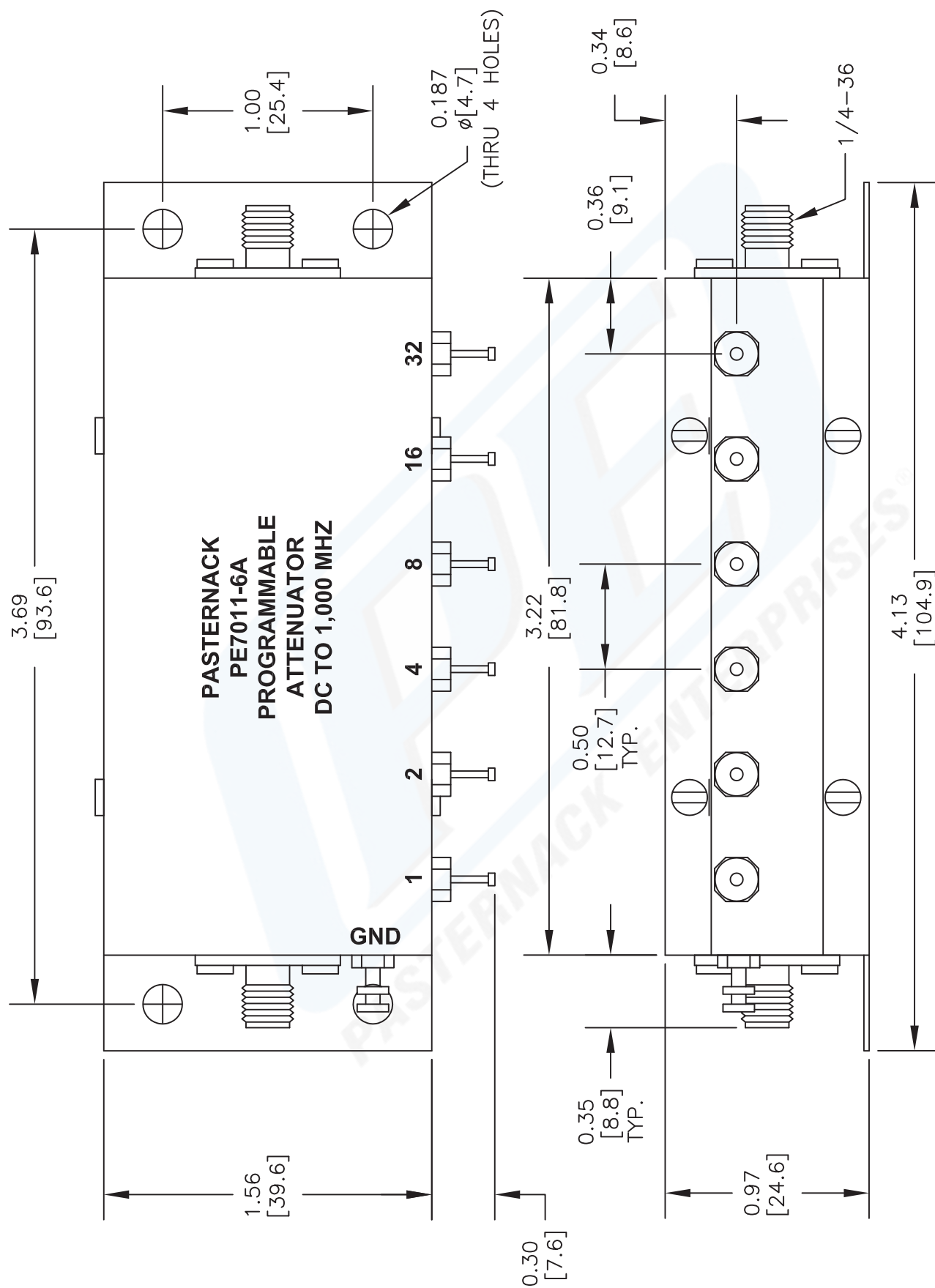
63 dB Programmable Attenuator, SMA Female To SMA Female With 1,2,4,8,16,32 dB Steps Rated To 0.5 Watts Up To 1 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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**DWG TITLE**

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  
**PE7011-6A**

FSCM NO. 53919

CAD FILE 082102

**SIZE A**

127



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