



5 Section Lowpass Filter With SMA Female Connectors  
Operating From DC to 1,000 MHz With a 1000 MHz Passband

TECHNICAL DATA SHEET

PE8720

**Configuration**

Design	Low Pass Filter
Connector 1	SMA Female
Connector 2	SMA Female
Passband Frequency Range, MHz	DC to 1,000

**Electrical Specifications**

Passband Minimum Frequency, KHz	0
Passband Maximum Frequency, MHz	1000
Useable Frequency Range, MHz	DC to 1,000
Impedance, Ohms	50
Maximum Insertion Loss, dB	1
Passband Maximum VSWR	1.5:1
Maximum Input Power, Watts	10
Rejection at 1.5 GHz	40 dB
Rejection at 2 GHz	60 dB

**Mechanical Specifications**

**Size**

Length, in [mm]	1.1 [27.94]
Width, in [mm]	0.75 [19.05]
Height, in [mm]	0.65 [16.51]

**Connector 1**

Type	SMA Female
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**Connector 2**

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

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [5 Section Lowpass Filter With SMA Female Connectors Operating From DC to 1,000 MHz With a 1000 MHz Passband PE8720](#)

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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#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

5 Section Lowpass Filter With SMA Female Connectors Operating From DC to 1,000 MHz With a 1000 MHz Passband 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.

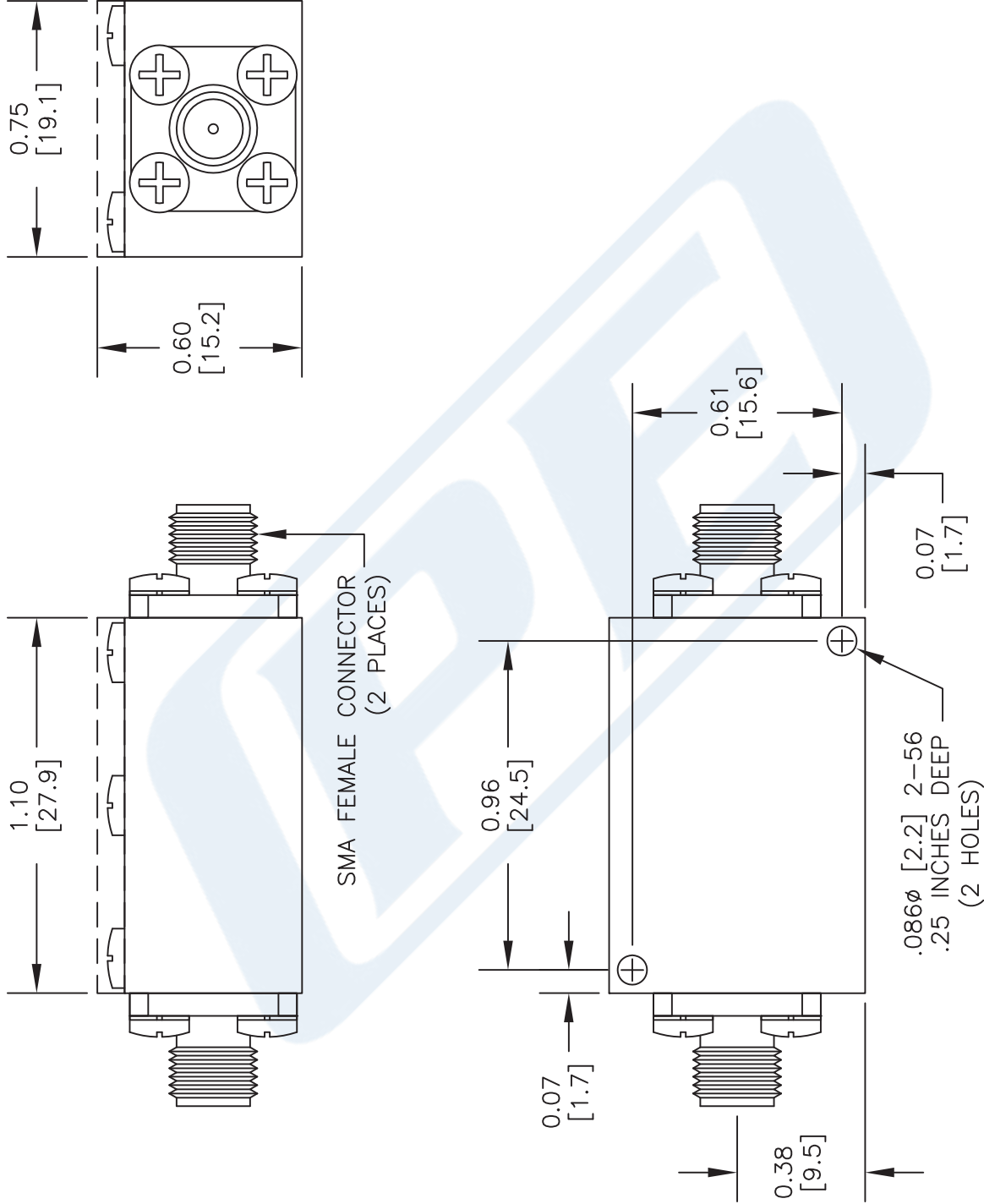
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URL: <http://www.pasternack.com/5-section-low-pass-filter-0-mhz-1000-mhz-passband-1000-mhz-pe8720-p.aspx>

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# PE8720 CAD Drawing

5 Section Lowpass Filter With SMA Female Connectors Operating From DC to 1,000 MHz With a 1000 MHz Passband



DWG TITLE

**PE8720**

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].

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**COAXIAL & FIBER OPTICS**



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CAD FILE 042712

SCALE N/A

SIZE A

2233