



5 Section Lowpass Filter With SMA Female Connectors
Operating From DC to 3 GHz With a 3 GHz Passband

TECHNICAL DATA SHEET

PE8725

Configuration

| | |
|-------------------------------|-----------------|
| Design | Low Pass Filter |
| Connector 1 | SMA Female |
| Connector 2 | SMA Female |
| Passband Frequency Range, GHz | DC to 3 |

Electrical Specifications

| | |
|---------------------------------|---------|
| Passband Minimum Frequency, KHz | 0 |
| Passband Maximum Frequency, GHz | 3 |
| Useable Frequency Range, GHz | DC to 3 |
| Impedance, Ohms | 50 |
| Maximum Insertion Loss, dB | 1 |
| Passband Maximum VSWR | 1.5:1 |
| Maximum Input Power, Watts | 10 |
| Rejection at 4.5 GHz | 40 dB |
| Rejection at 6 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 |
|------|------------|

Connector 2

| | |
|------|------------|
| Type | SMA Female |
|------|------------|

Compliance Certifications (visit 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 3 GHz With a 3 GHz Passband PE8725](#)

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 3 GHz With a 3 GHz 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.

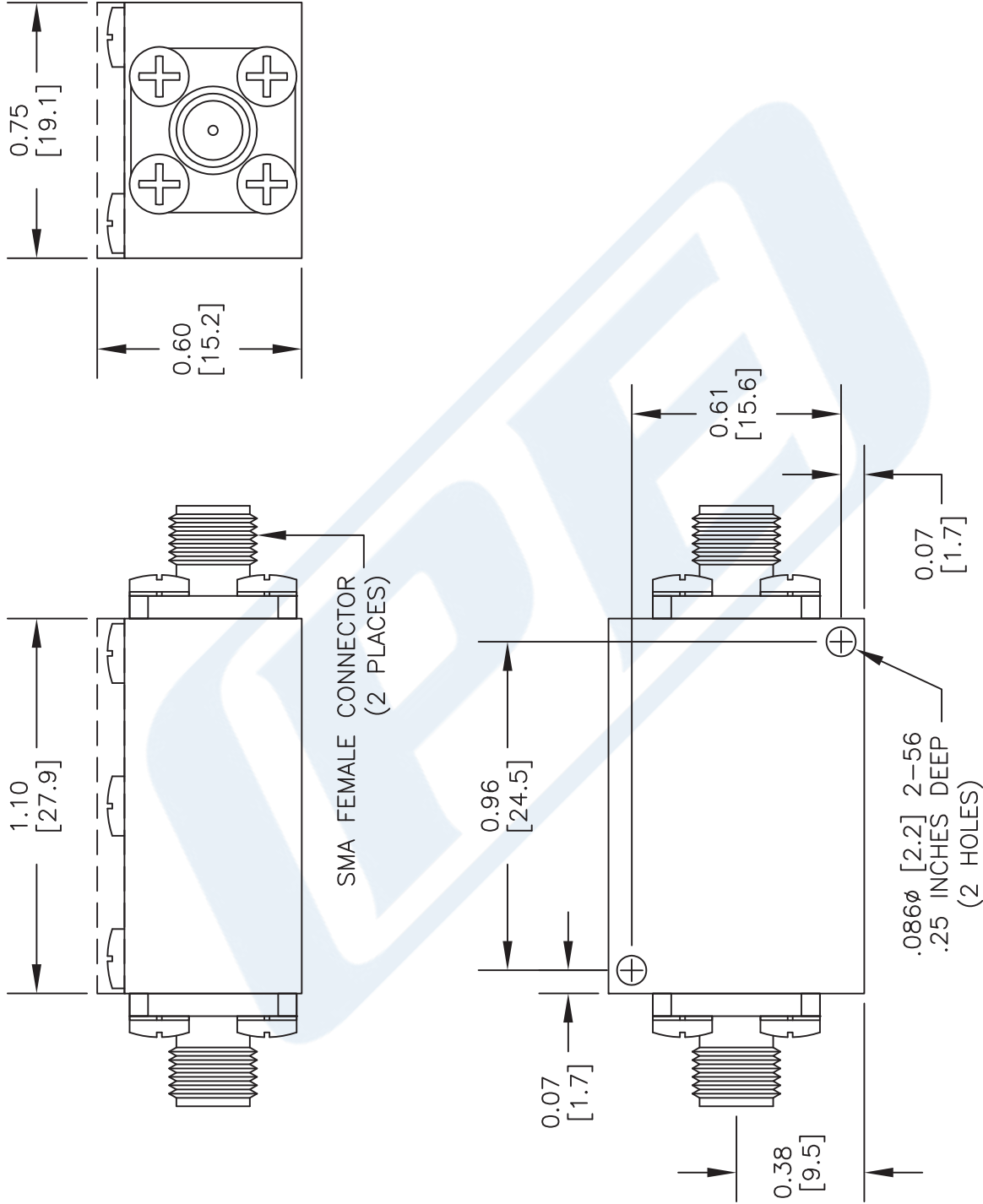
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [5 Section Lowpass Filter With SMA Female Connectors Operating From DC to 3 GHz With a 3 GHz Passband PE8725](http://www.pasternack.com/5-section-low-pass-filter-0-mhz-3-ghz-passband-3-ghz-pe8725-p.aspx)

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PE8725 CAD Drawing

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DWG TITLE

PE8725

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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FSCM NO. 53919

CAD FILE 042712

SCALE N/A

SIZE A

2233