



4 Section Bandpass Filter With SMA Female Connectors Operating From 1.93 GHz to 1.99 GHz With a 60 MHz Passband

Bandpass Filters Technical Data Sheet

PE8708

Features

- Pass band of 60 MHz
- 1.93 to 1.99 GHz
- Four section
- Combine filter design
- Minimum 50 dB rejection at 1.71 GHz and 2.21 GHz (about 220 MHz from band edge)
- Maximum insertion loss of 1.5 dB
- Female SMA connectors

Applications

- PCS

Description

The PE8708 is a four section band pass filter that is useful for filtering for PCS uses. The pass band is 60 MHz, or 1.93 to 1.99 GHz. Implementing a combine design, the filter has excellent minimum rejection of 50 dB at 1.71 GHz and 2.21 GHz, or about 220 MHz from the band edges. It has a maximum insertion loss of 1.5 dB. The PE8708 has SMA Female connectors.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------------|---------|---------|---------|-------|
| Passband Frequency | 1.93 | | 1.99 | GHz |
| Impedance | | 50 | | Ohms |
| Insertion Loss | | | 1.5 | dB |
| Passband VSWR | | 1.5:1 | | |
| Rejection at 1.71 GHz | 50 | | | dB |
| Rejection at 2.21 GHz | 50 | | | dB |
| Input Power, CW | | | 5 | Watts |

Electrical Specification Notes: Values at +25°C, sea level.

Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 2 in [50.8 mm] |
| Width | 1.32 in [33.53 mm] |
| Height | 0.53 in [13.46 mm] |
| Weight | 0.13 lbs [58.97 g] |

Configuration

| | |
|--------------------|----------------------|
| Design | Combine |
| Number of Sections | 4 |
| Package Style | Connectorized Module |
| Connector 1 | SMA Female |
| Connector 2 | SMA Female |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Section Bandpass Filter With SMA Female Connectors Operating From 1.93 GHz to 1.99 GHz With a 60 MHz Passband PE8708](#)



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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

12/17/2015

Plotted and Other Data

Notes:

4 Section Bandpass Filter With SMA Female Connectors Operating From 1.93 GHz to 1.99 GHz With a 60 MHz Passband from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

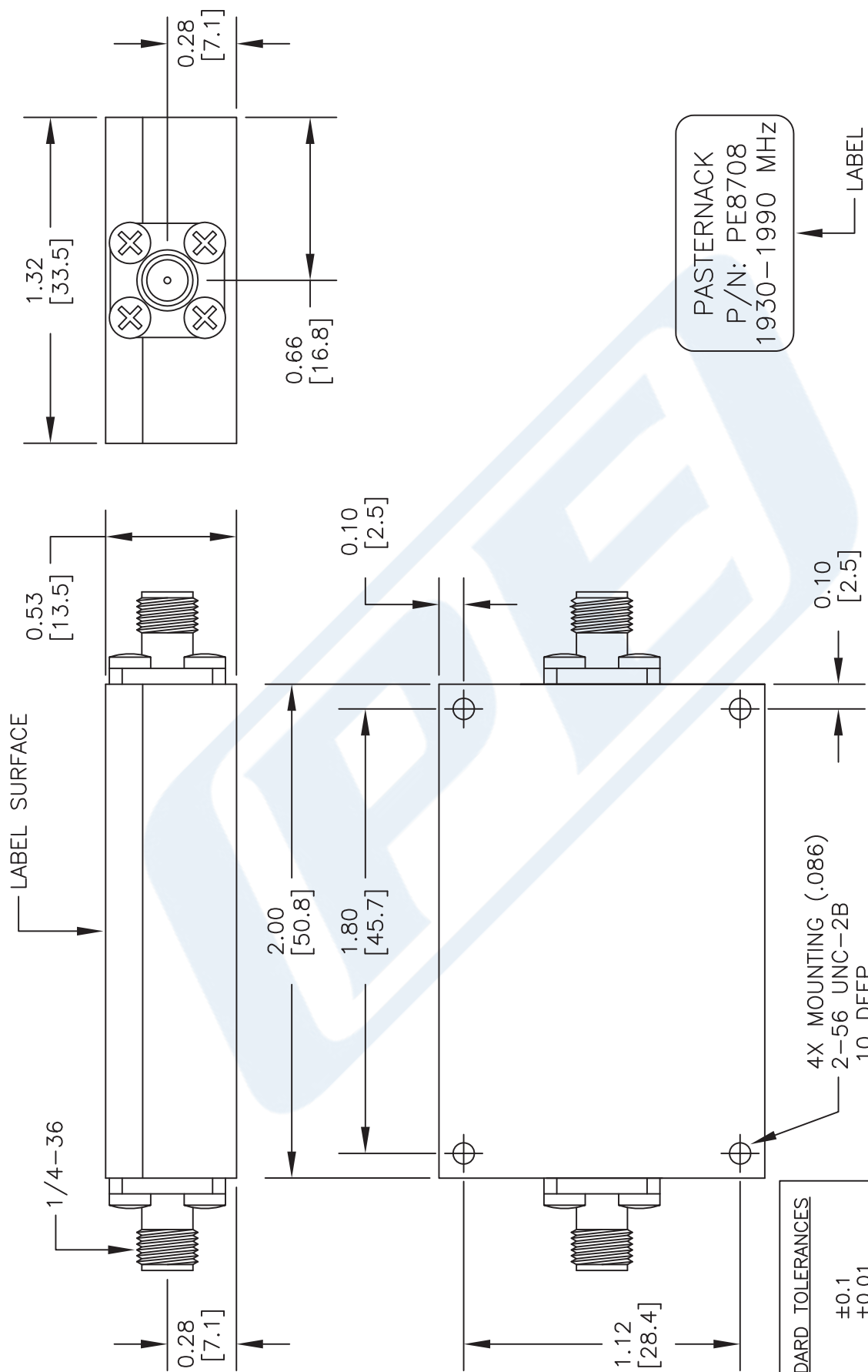
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Section Bandpass Filter With SMA Female Connectors Operating From 1.93 GHz to 1.99 GHz With a 60 MHz Passband PE8708](http://www.pasternack.com/4-section-band-pass-filter-1.93-ghz-1.99-ghz-passband-60-mhz-pe8708-p.aspx)

URL: <http://www.pasternack.com/4-section-band-pass-filter-1.93-ghz-1.99-ghz-passband-60-mhz-pe8708-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.

PE8708 CAD Drawing

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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
PE8708

FSCM NO. 53919

CAD FILE 030716

SCALE N/A

SIZE A

3045

(PE) PASTERNAK®
 THE ENGINEER'S RF SOURCE
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com