



9 Section Bandpass Filter With SMA Female Connectors Operating From 27.5 GHz to 31 GHz With a 3.5 GHz Passband

Bandpass Filters Technical Data Sheet

PE8744

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Passband Frequency	27.5		31	GHz
Insertion Loss			2.5	dB
Passband VSWR			1.5:1	
Rejection at 0 KHz	50			dB
Rejection at 32.75 GHz	50			dB

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

Mechanical Specifications

Size

Width	0.38 in [9.65 mm]
Height	0.38 in [9.65 mm]

Configuration

Design	Bidirectional Chebyshev
Number of Sections	9
Connector 1	SMA Female
Connector 2	SMA Female

Mechanical Specification Notes: Comes with a ruggedized housing.

Environmental Specifications

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [9 Section Bandpass Filter With SMA Female Connectors Operating From 27.5 GHz to 31 GHz With a 3.5 GHz Passband PE8744](#)





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Plotted and Other Data

Notes:

- Values at 25°C, sea level.

9 Section Bandpass Filter With SMA Female Connectors Operating From 27.5 GHz to 31 GHz With a 3.5 GHz 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.

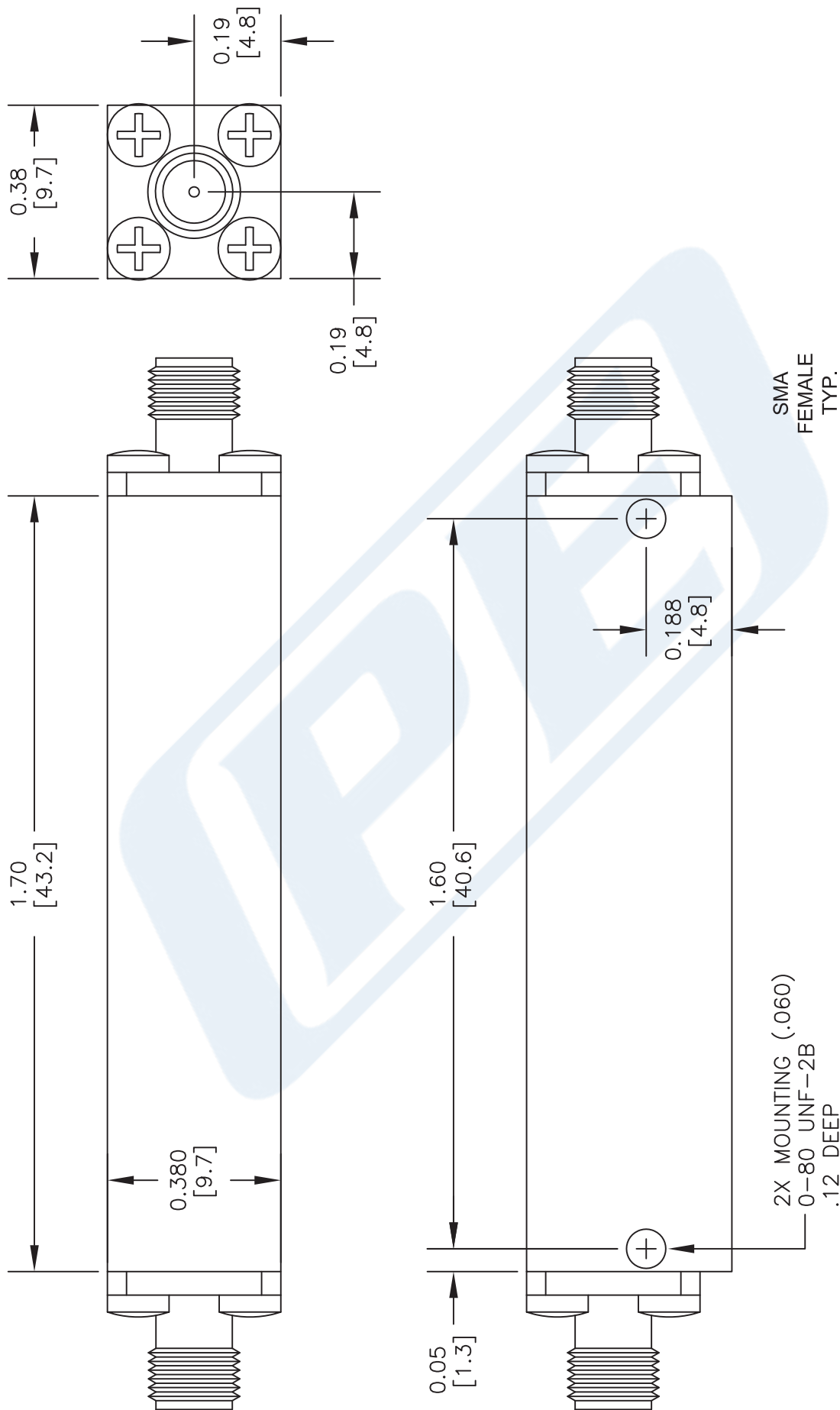
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [9 Section Bandpass Filter With SMA Female Connectors Operating From 27.5 GHz to 31 GHz With a 3.5 GHz Passband PE8744](#)

URL: <http://www.pasternack.com/9-section-band-pass-filter-27.5-31-ghz-passband-3.5-ghz-pe8744-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.

PE8744 CAD Drawing

9 Section Bandpass Filter With SMA Female Connectors Operating From 27.5 GHz to 31 GHz With a 3.5 GHz Passband



DWG TITLE

PE8744

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 101415

SCALE N/A

SIZE A

2233

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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