



## 3 Section Tunable Band Reject Filter with N Female Connectors Operating from 1 GHz to 2 GHz with a 1% Bandwidth

### TECHNICAL DATA SHEET

PE8738

Pasternack's Tunable Band Pass Filters and Band Reject Filters (also referred to as Band-Stop filters or Band-Rejection filters) are available in tunable frequency ranges from 100 MHz to 3 GHz. Tunable RF filter products are bench top units that are ideal for reducing harmonics and noise levels with lab-grade precision. The average power rating of these tunable filter components is 50 Watts and have a dial accuracy of 1%. Both the 3 section and 5 section bandpass and band-reject filters have a nominal 5% bandwidth that is tunable across the filter's frequency range.

- Available in both Band pass and Band reject
- 100 MHz to 3 GHz Frequency Ranges
- Typical VSWR is 1.5:1
- N-Type Connectors

#### Configuration

Design	Tunable Filter
Connector 1	N Female
Connector 2	N Female

#### Electrical Specifications (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Usable Frequency	1		2	GHz
Bandwidth		9 to 24		MHz
Nominal Bandwidth		1		%
40 dB Bandwidth	400			KHz
Notch Depth		45		dB
Tuning Dial Accuracy	0.5			%
VSWR			1.5:1	
Impedance		50		Ohms
Input Power			50	Watts

#### Mechanical Specifications

##### Temperature

Operating Range	-55 to +85 deg C
Storage Range	-55 to +125 deg C

##### Size

Length	5.2 in 132.08 mm
Width	3.31 in 84.07 mm
Height	2.8 in 71.12 mm
Weight	1.927 lbs 874.07 g

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3 Section Tunable Band Reject Filter with N Female Connectors Operating from 1 GHz to 2 GHz with a 1% Bandwidth PE8738](#)



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#### Connectors

Description	Connector 1	Connector 2
Type	N Female	N Female

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

3 Section Tunable Band Reject Filter with N Female Connectors Operating from 1 GHz to 2 GHz with a 1% Bandwidth from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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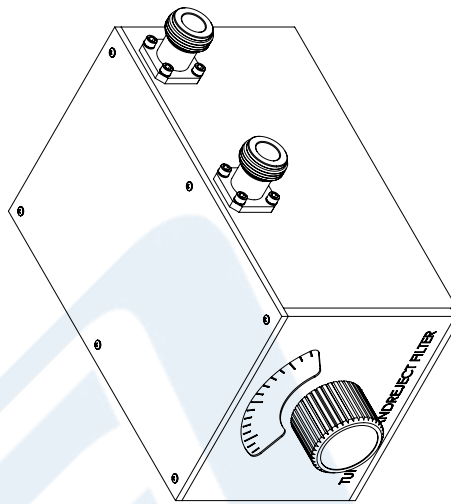
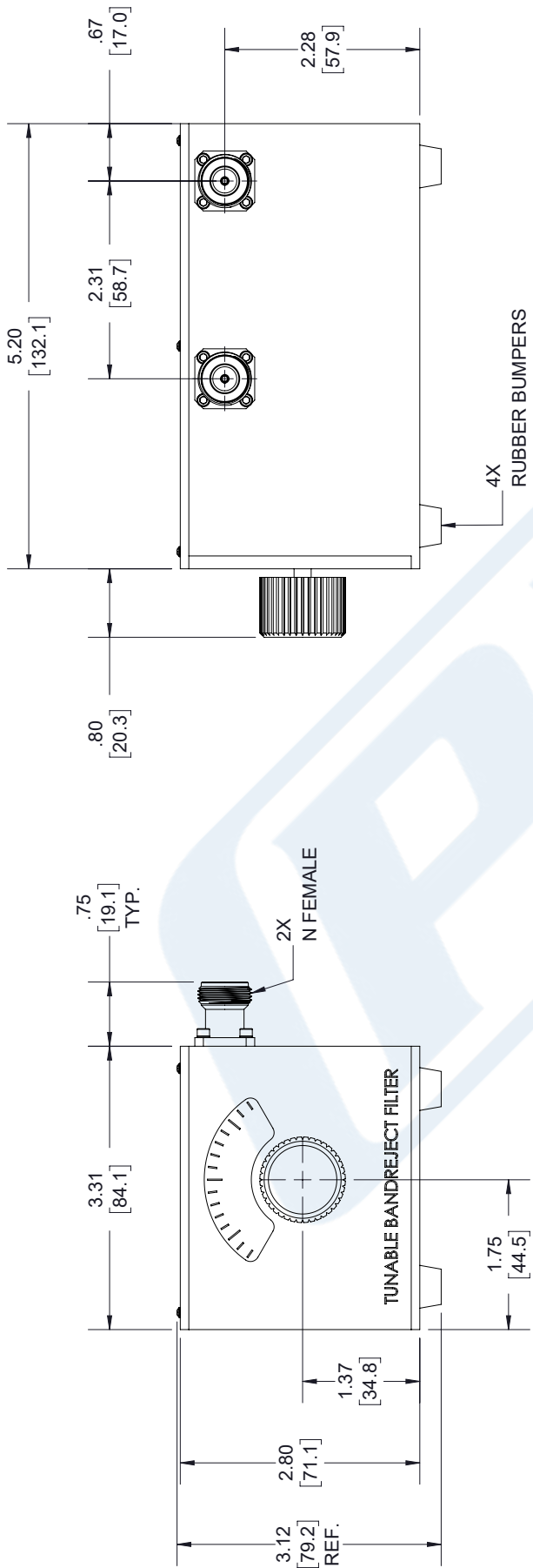
URL: <https://www.pasternack.com/3-section-tunable-band-reject-filter-1-2-ghz-pe8738-p.aspx>

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.

# PE8738 CAD Drawing

3 Section Tunable Band Reject Filter with N Female Connectors

Operating from 1 GHz to 2 GHz with a 1% Bandwidth



LABEL

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE  
www.PASTERNAK.com  
**PE8738**  
SN: XXXXXXXXX  
D/C:YYWW

STANDARD TOLERANCES

.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE8738

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].

CAGE CODE 53919

CAD FILE 01/02/19

SCALE N/A

SIZE A

7361