

Tunable Band Reject Filter with N Female Interface from 200 MHz to 400 MHz with a 1% Bandwidth

Fairview Microwave's hand-tunable RF filters are commonly used in lab environments for testing many frequency bands including PCS, UHF, PMR, Tetra, LTE, and WiFi. The tunable band pass filters and band reject filters, also known as band-stop filters or band-rejection filters, are effective in band selection or frequency discrimination with high attenuation greater than 50 dB possible, allowing for excellent noise, harmonic and adjacent-band reduction. Each of the new bandpass filters and band reject filters from Fairview are rated to 50 Watts power handling and are designed with N female connectors. Fairview's all new family of tunable RF filters are available from stock and can ship same-day.



Features:

- Design: Tunable Filter
- Connector 1: N Female
- Connector 2: N Female

Electrical Specifications*

Description	Min	Typ	Max	Units
Usable Frequency	200		400	MHz
Bandwidth		3 to 7		MHz
Nominal Bandwidth		1		%
40 dB Bandwidth	300			KHz
Notch Depth		50		dB
Tuning Dial Accuracy	1			%
VSWR			1.5:1	
Impedance		50		Ohms
Input Power (CW)			50	Watts

* Values at 25°C, sea level

Mechanical Specifications

Temperature

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

Size

Length	6.5 in 165.1 mm
Width	5.34 in 135.64 mm
Height	2.75 in 69.85 mm
Weight	3.4875 lbs 1.58 kg

Connectors

Description	Connector 1	Connector 2
Type	N Female	N Female

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

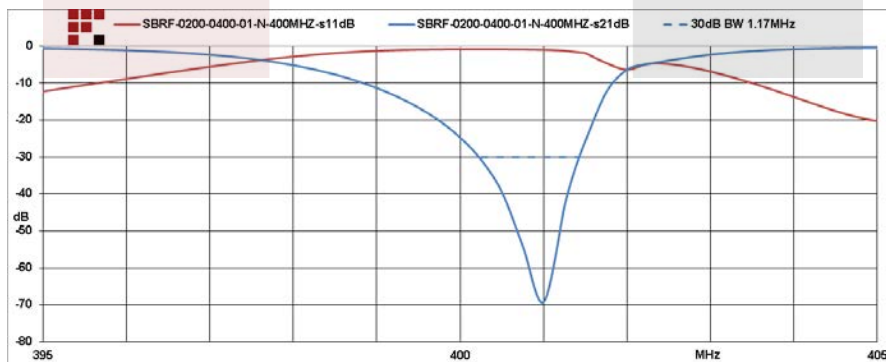
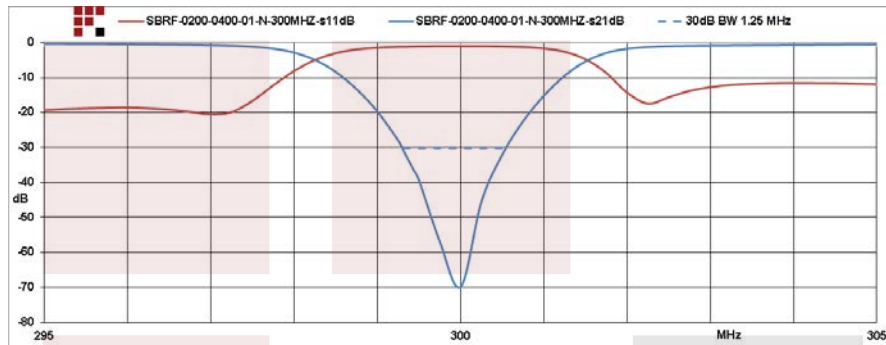
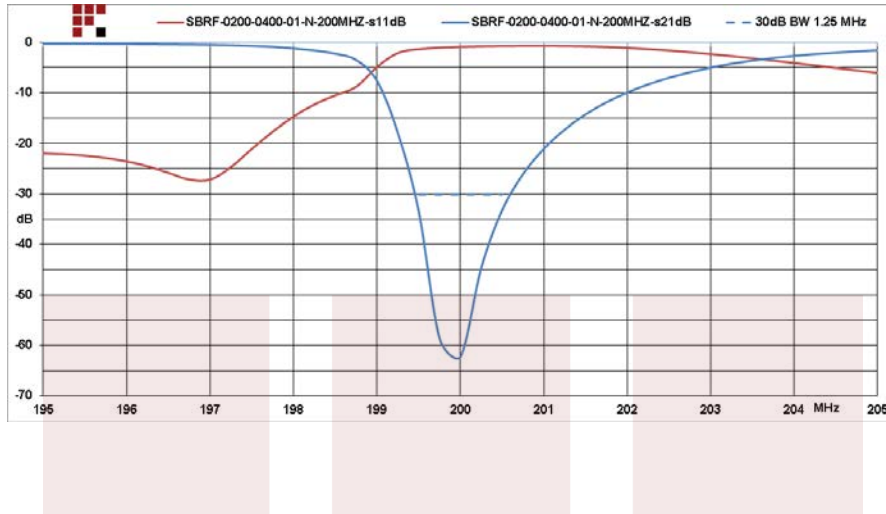
Plotted and Other Data

Notes:

- Values at 25 °C, sea level

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Typical Performance Data



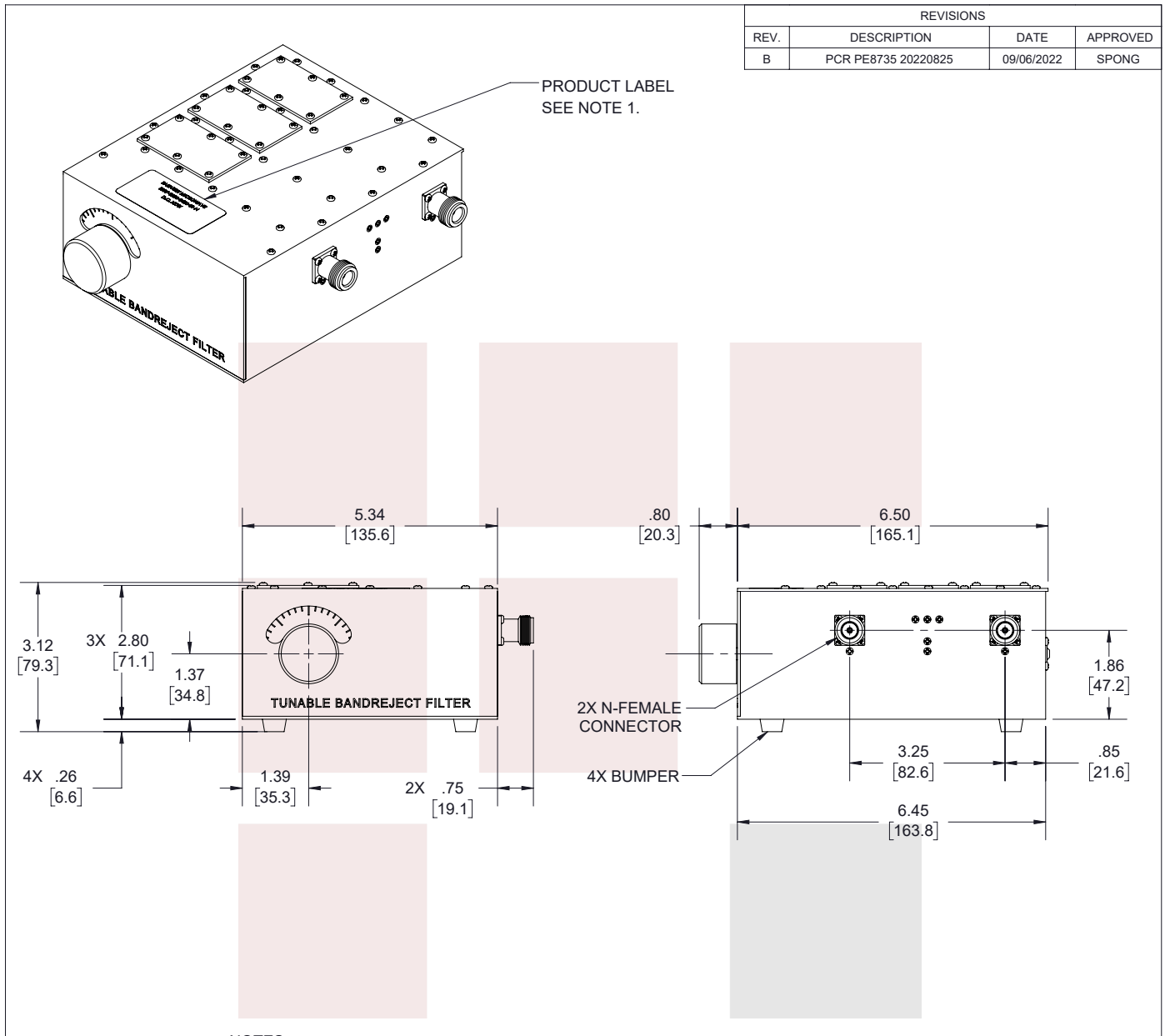
Tunable Band Reject Filter with N Female Interface from 200 MHz to 400 MHz with a 1% Bandwidth from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Tunable Band Reject Filter with N Female Interface from 200 MHz to 400 MHz with a 1% Bandwidth SBRF-0200-0400-01-N](#)

URL: <https://www.fairviewmicrowave.com/tunable-band-reject-filter-n-female-200-mhz-400-mhz-sbrf-0200-0400-01-n-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE8735 20220825	09/06/2022	SPONG

NOTES:

1. PRODUCT LABEL LOCATED APPROXIMATELY WHERE SHOWN. LABEL INCLUDES BRAND NAME, ITEM NUMBER, AND DATE CODE.

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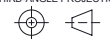
TITLE
Tunable Band Reject Filter with N Female Interface
from 200 MHz to 400 MHz with a 1% Bandwidth

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X ± .2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX ± .02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX ± .005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY AKRESOWSK	ITEM NO. SBRF-0200-0400-01-N	REV B
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T-Rev.D