

Coaxial Bandpass Filter

VBF-1560+

50Ω 1500 to 1620 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1.5W at 25°C

*Passband rating, derate linearly to 0.25W at 100°C ambient.

Features

- Excellent VSWR, 1.1:1 Typ @ Passband
- Rugged uni-body construction, small size
- Temperature stable

Applications

- Harmonic rejection
- Transmitters/receivers
- Lab use
- Test instrumentation



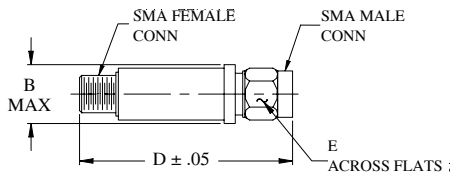
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VBF-1560+	\$34.95 ea.	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Outline Drawing



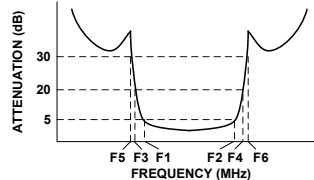
Outline Dimensions (inch/mm)

B	D	E	wt.
.410	1.43	.312	grams
10.41	36.32	7.92	10

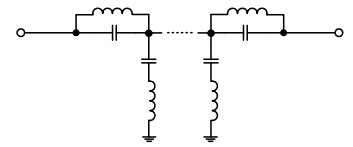
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 5dB) F1 - F2	STOPBANDS (MHz)				VSWR (:1)	
		Loss > 20dB F3	Loss > 20dB F4	Loss 30dB Typ F5	Loss 30dB Typ F6	Passband Max.	Stopband Typ.
1560	1500 - 1620	1100	2100	1040	2105 - 4200	1.7	20

Typical Frequency Response

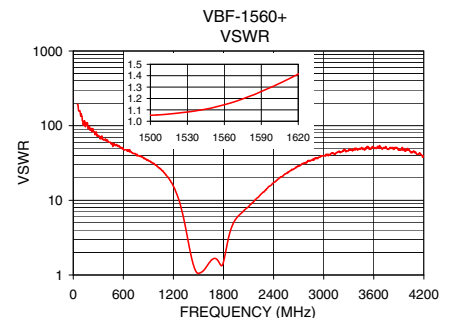
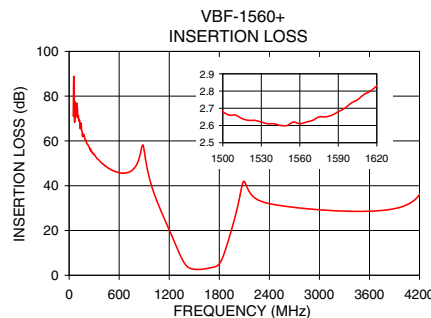


Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	71.05	193.02
200	60.45	86.86
500	47.20	54.29
1040	34.41	26.33
1100	28.83	22.58
1250	15.98	11.38
1340	8.27	4.63
1400	4.51	2.09
1500	2.68	1.05
1560	2.61	1.15
1620	2.83	1.41
1780	4.36	1.33
1850	8.85	2.79
1910	15.74	4.72
2000	27.66	6.53
2100	41.90	8.20
2105	41.62	8.35
3500	28.55	49.64
4200	36.01	38.61



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

REV. OR
M115948
EDR-8496F2
VBF-1560+
RAV
080210
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