

# Coaxial Bandpass Filter

## VBFZ-6260+

50Ω 5600 to 7000 MHz

### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W at 25°C

\*Passband rating, derate linearly to 3W at 100°C ambient.

### Features

- Good Rejection, 30dB up to 18GHz
- Low insertion loss
- Excellent power handling, 7W
- Temperature stable LTCC internal structure
- Rugged stainless steel unibody
- Protected by US Patent 6,943,646

### Applications

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



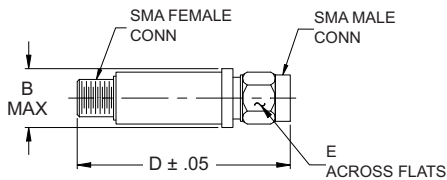
CASE STYLE: FF1145

Connectors	Model	Price	Qty.
SMA	VBFZ-6260-S+	\$39.95 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



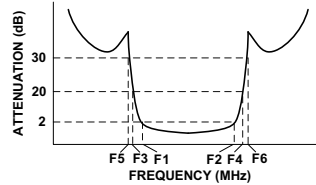
### Outline Dimensions (inch mm)

B	D	E	wt.
.410	1.91	.312	grams
10.41	48.51	7.92	11.8

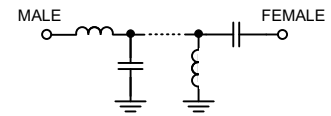
### Bandpass Filter Electrical Specifications (T<sub>AMB</sub> = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 2dB)	STOPBANDS (MHz)				VSWR (:1)		
		(Loss > 20dB)		(Loss 30dB Typ)		Passband		Stopband
Fc	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
6260	5600 - 7000	4200	9300	4100	9300 - 18000	1.4	2.1	20

### Typical Frequency Response

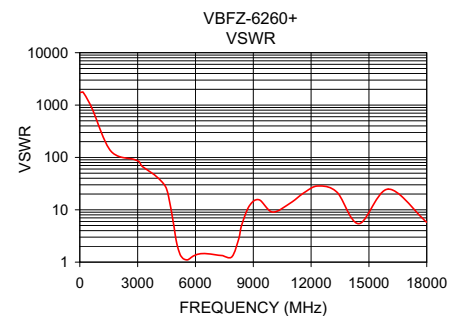
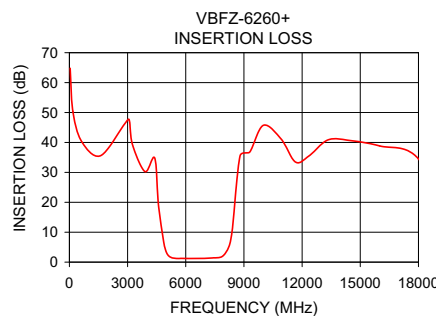


### Functional Schematic



### Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	61.42	1737.18
1500	35.70	144.77
2500	38.25	75.53
4100	31.23	38.61
4200	33.45	40.41
4600	18.69	18.50
4800	8.89	7.94
4950	4.26	3.34
5100	2.18	1.78
5600	1.22	1.11
6260	1.20	1.44
7000	1.27	1.39
8000	2.35	1.41
8200	4.54	2.34
8350	8.83	4.24
8500	15.54	7.05
8750	31.12	11.10
9300	36.77	15.53
14000	37.83	4.78
18000	34.51	5.75



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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

REV. A  
M117530  
EDR-8458/1U  
VBZF-6260+  
URJ/RAV  
080610  
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