

Bandpass Filter

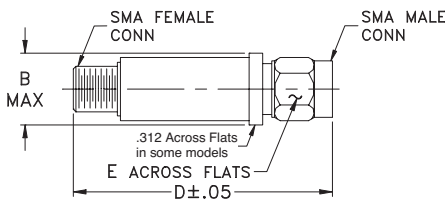
50Ω 980 to 1150 MHz

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.
Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch mm)

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

Features

- Good Rejection, 30dB up to 11GHz
- Low insertion loss
- Excellent power handling, 7W
- Temperature stable LTCC internal structure
- Rugged stainless steel unibody
- Protected by US Patent 6,943,646

Application

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



CASE STYLE: FF1145

Connectors	Model	Price	Qty.
SMA	VBZF-1065-S+	\$39.95 ea.	(1-9)

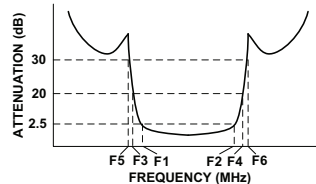
+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

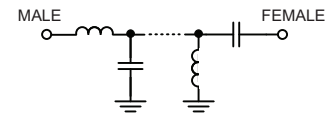
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 2.3dB)	STOPBANDS (MHz)				VSWR (:1)		
		(Loss > 20dB)		(Loss 30dB Typ)		Passband		Stopband
Fc	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
1065	980 - 1150	630	1800	600	1800 - 11000	1.4	2.1	20

Typical Frequency Response



Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	81.73	7758.65
80	66.51	2941.49
250	58.37	378.75
600	30.82	40.05
630	26.53	33.07
723	14.55	15.01
792	7.33	5.97
850	3.78	2.79
980	1.80	1.38
1065	1.68	1.35
1150	1.83	1.54
1275	2.30	1.87
1435	3.06	1.22
1520	6.46	2.91
1605	13.53	5.12
1760	27.72	7.23
1800	33.65	8.52
3000	70.36	22.88
8000	46.84	25.98
11000	46.55	18.29

