

Coaxial Bandpass Filter

VBFZ-2575+

50Ω 2350 to 2800 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 9GHz
- 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



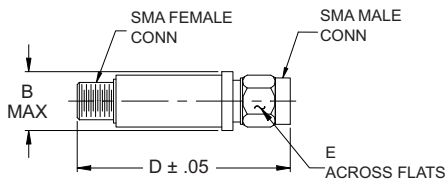
CASE STYLE: FF1145

Connectors	Model	Price	Qty.
SMA	VBFZ-2575-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



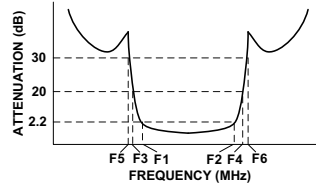
Outline Dimensions (inch mm)

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

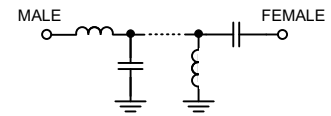
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz) Fc	PASSBAND (MHz) (Loss < 2.2dB)	STOPBANDS (MHz)				VSWR (:1)		
		(Loss > 20dB)		(Loss 30dB Typ)		Passband		Stopband
	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
2575	2350 - 2800	1390	3850	1275	3900 - 9000	1.9	2.8	20

Typical Frequency Response

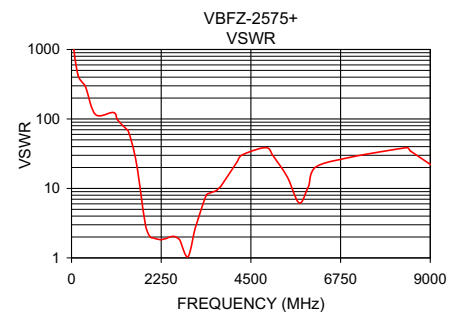
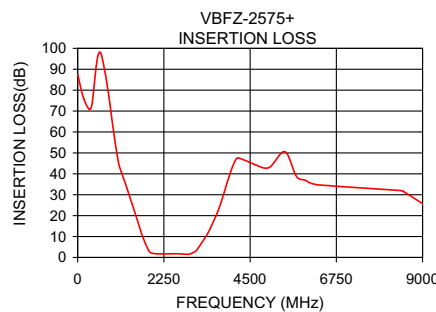


Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	80.64	528.17
500	77.72	211.55
1275	33.69	80.44
1390	27.36	65.30
1477	22.52	43.15
1590	16.11	27.10
1720	8.53	10.60
1801	4.71	4.72
1865	2.90	2.81
2350	1.68	1.88
2575	1.77	2.03
2800	1.57	1.52
3119	3.68	2.93
3262	7.36	5.89
3405	11.94	8.05
3682	23.22	9.90
3850	32.35	12.73
3900	35.36	14.28
7000	35.60	35.75
9000	27.72	46.46



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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. A
M117530
EDR-8453U
VBFZ-2575+
URJ/RAV
080610
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