

Coaxial Bandpass Filter

VBF-2555+

50Ω 2500 to 2610 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

- Good VSWR, 1.6:1 Typ @ Passband
- Rugged uni-body construction, small size
- Temperature stable

Applications

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



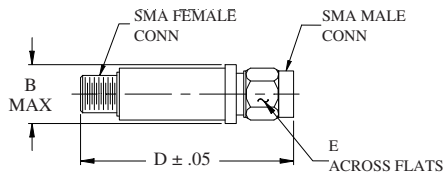
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VBF-2555+	\$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



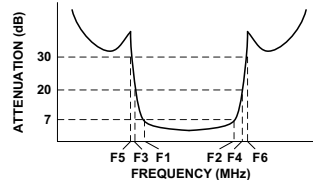
Outline Dimensions (inch/mm)

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

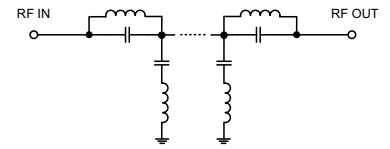
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 7dB)	STOPBANDS (MHz)				VSWR (:1)		
		Loss > 20dB		Loss 30dB Typ		Passband		Stopband
Fc	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
2555	2500 - 2610	1970	3200	2000	3250 - 5500	1.6	2.8	20

Typical Frequency Response

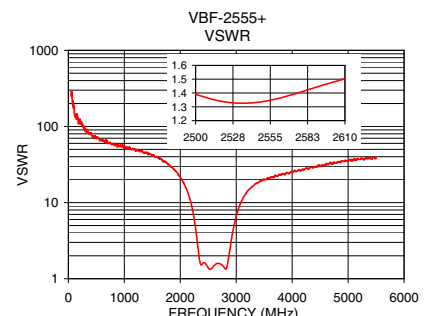
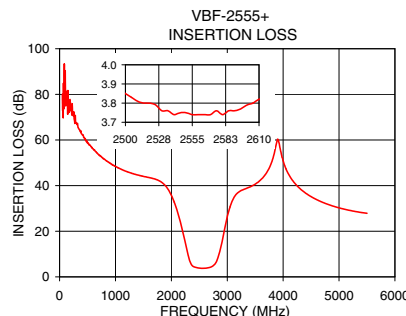


Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	72.26	289.53
200	74.05	115.81
500	59.32	69.49
1000	48.65	54.29
1970	37.58	23.18
2000	36.10	21.46
2200	20.97	9.33
2300	10.44	3.23
2350	6.26	1.68
2500	3.77	1.39
2555	3.69	1.35
2610	3.78	1.50
2850	7.92	1.64
2920	14.90	3.49
3000	24.49	6.66
3200	37.30	14.15
3250	38.25	15.26
3700	46.50	22.87
4500	34.74	31.03
5500	27.76	38.61



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IF/RF MICROWAVE COMPONENTS

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EDR-8495F2
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