

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

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



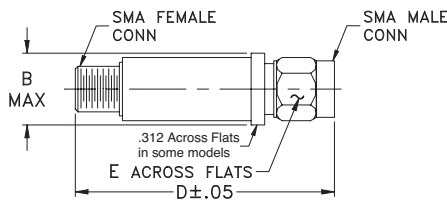
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VBF-2555+	\$34.95 ea.	(1-9)

+RoHS Compliant

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

Outline Drawing



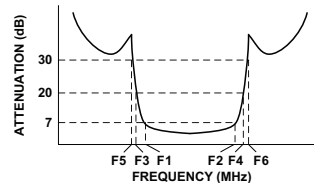
Outline Dimensions (inch mm)

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

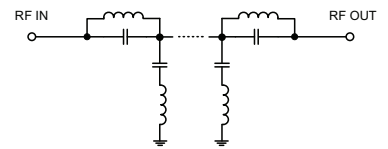
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

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

Typical Frequency Response

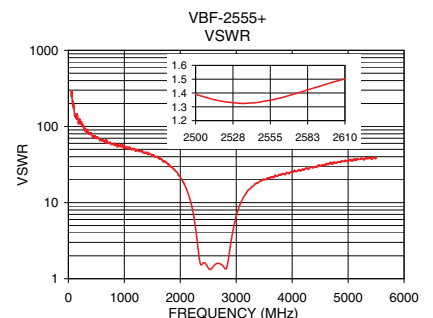
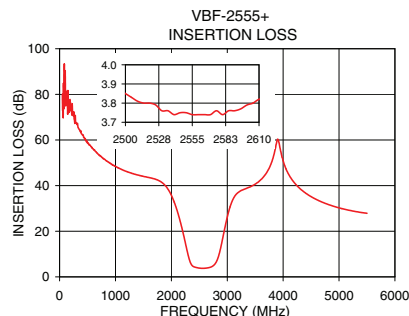


Functional Schematic



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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Page 1 of 1