

Coaxial High Pass Filter

VHF-1300+

50Ω 1400 to 5000 MHz



Maximum Ratings

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

* Passband rating, derate linearly to 3W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Features

- rugged unibody construction, small size
- 7 sections
- temperature stable
- excellent power handling, 7W
- low cost

CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-1300(+)	\$24.95 ea.	(1-9)

+RoHS Compliant

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

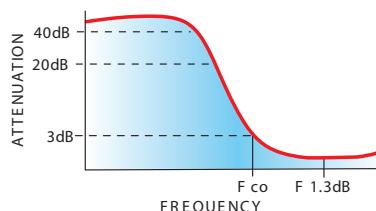
Applications

- sub-harmonic rejection
- transmitters/receivers
- lab use

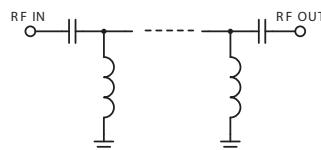
Electrical Specifications ($T_{AMB}=25^{\circ}\text{C}$)

STOP BAND (MHz) Min.	f _{co} , MHz Nom. (loss > 40 dB) (loss > 20 dB)	PASSBAND (MHz) (loss < 1.3 dB) Max. Typ.	VSWR (:1) Typ. Frequency (MHz) Stopband 1.5:1	NO. OF SECTIONS
680	930	1300	1510-4000 1400-5000	20:1 1400-4000

typical frequency response

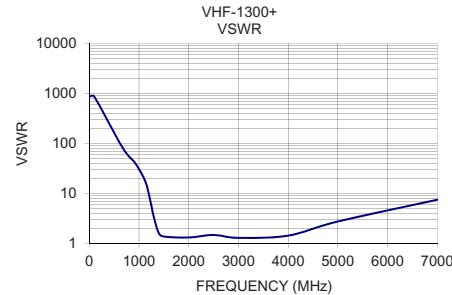
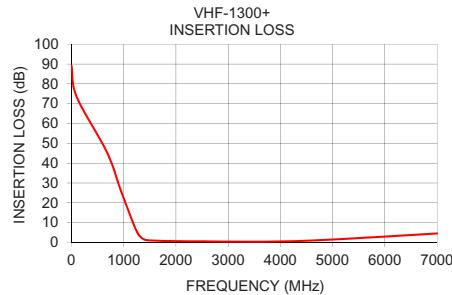


electrical schematic

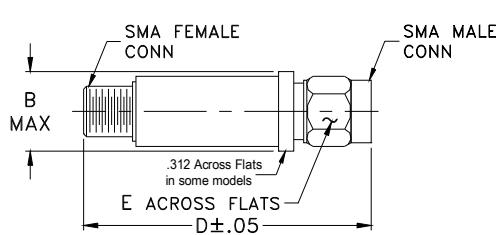


Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	89.20	868.59
100	73.46	868.59
680	45.52	78.97
930	27.34	39.49
1130	13.31	17.05
1230	6.74	6.91
1300	3.40	3.29
1400	1.42	1.58
1510	1.01	1.36
2000	0.64	1.31
2500	0.59	1.47
3000	0.43	1.29
4000	0.49	1.42
5000	1.48	2.73
7000	4.52	7.47



Outline Dimensions (inch/mm)



B	D	E	wt
.410	1.43	.312	grams

10.41 36.32 7.92 10.0

Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

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