

Ultra-Reliable High Pass Filter

50Ω 3000 to 7000 MHz

VHP-26

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	10W at 25°C

* Passband rating, derate linearly to 0.4x P_{max} at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Features

- rugged unibody construction, small size
- pass band insertion loss 1.0 dB typ.
- excellent power handling, 10W
- low cost

Applications

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

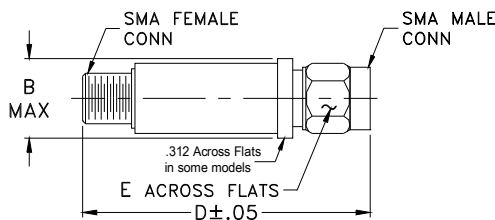


Generic photo used for illustration purposes only

CASE STYLE: FF704

Connectors	Model
SMA	VHP-26

Outline Drawing



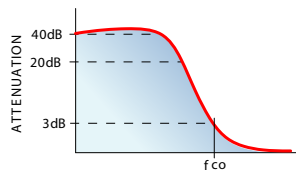
Outline Dimensions (inch/mm)

B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

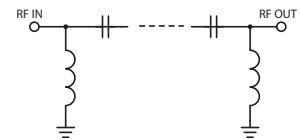
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz)	f _{co} , MHz Nom. (loss 3 dB)	PASSBAND (MHz)	VSWR (:1)	
			Stopband	Passband
(loss > 40 dB) (loss > 20 dB)	Typ.	(loss < 1.3 dB)	Typ.	Typ.
DC-1500 2000	2570	3000-7000	18	1.4

typical frequency response

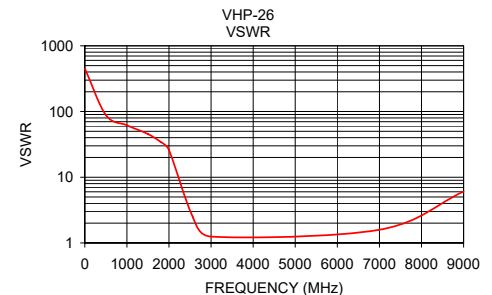


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	100.58	452.14
500.00	64.74	88.41
1000.00	70.90	61.83
1500.00	45.46	45.41
1800.00	33.17	34.51
2000.00	24.65	26.04
2570.00	2.97	2.45
3000.00	1.09	1.25
7000.00	0.90	1.59
9000.00	4.41	6.05



Notes

- A. 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.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. 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



www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. C
M151107
VHP-26
ED10545B/11
WZ/AD/CP
200522