Low Pass Filter

VLF-1000+ **VLF-1000**

CASE STYLE: FF704

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

Price

VLF-1000(+) \$21.95 ea. (1-9)

Qty.

Model

Connectors

SMA

50Ω

*DC to 1000 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	10W max. at 25°C
DC Current Input to Output	0.5A max. at 25°C

^{*} Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

- rugged unibody construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
- · low cost
- protected by U.S. Patent 6,943,646

+RoHS Compliant

Applications

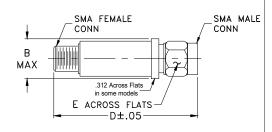
- harmonic rejection
- transmitters/receivers
- lab use

Electrical Specifications at 25°C

PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
(loss < 1 dB)	(loss 3 dB)	F 20	30	Fr 20	Stopband	Passband	
Max.	Тур.	Min.	Тур.	Тур.	Тур.	Тур.	
*DC-1000	1300	1550	1900-5000	5500	20	1.3	7

^{*} Not for use with DC voltage at input and output ports

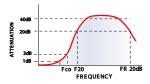
Outline Drawing



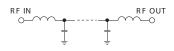
Outline Dimensions (inch)

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

typical frequency response

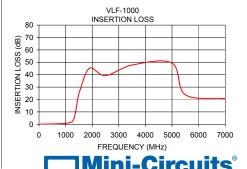


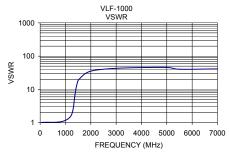
electrical schematic



Typical Performance Data at 25°C

Insertion Loss (dB)	VSWR (:1)	
0.07	1.02	
0.18	1.03	
0.39	1.04	
0.77	1.18	
1.69	1.55	
3.79	2.53	
10.57	7.31	
20.88	15.13	
27.95	20.70	
45.25	33.42	
39.24	40.41	
47.78	44.55	
49.39	45.72	
23.86	40.41	
20.67		
	0.07 0.18 0.39 0.77 1.69 3.79 10.57 20.88 27.95 45.25 39.24 47.78 49.39 23.86	(dB) (:1) 0.07





For detailed performance specs & shopping online see web site

ISO 9001 ISO 14001 AS 9100 CERTIFIED P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipcuits.com IF/RF MICROWAVE COMPONENTS

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