Coaxial

Low Pass Filter

VLF-1200+
VLF-1200

50Ω *DC to 1200 MHz

CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VLF-1200(+)	$21.95 ea.	(1-9)

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

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

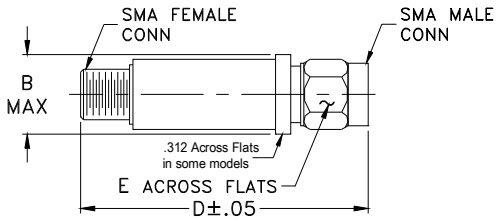
Features

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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Outline Drawing



Outline Dimensions (inch / mm)

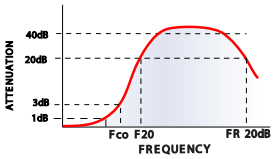
B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

Electrical Specifications at 25°C

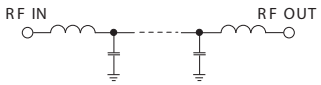
PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
(loss < 1 dB)	(loss 3 dB)	f 20	30	fr 20	Stopband	Passband	
Max.	Typ.	Min.	Typ.	Typ.	Typ.	Typ.	
*DC-1200	1530	1865	2000-5000	6200	20	1.2	7

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

typical frequency response

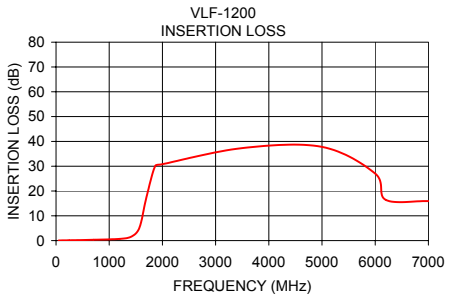


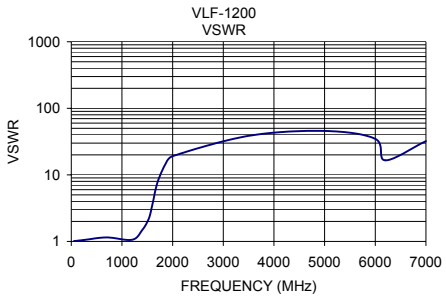
electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.07	1.01
250	0.14	1.05
700	0.32	1.15
1200	0.69	1.06
1400	1.45	1.48
1530	3.63	2.20
1600	7.44	3.56
1700	17.61	7.70
1865	30.16	14.87
2000	30.80	19.11
3500	37.28	38.61
5000	37.80	45.72
6000	27.00	34.75
6200	16.43	16.56
7000	15.93	32.18





For detailed performance specs & shopping online see web site

REV. G
M129173
VLF-1200
EDR-6608/2
RVN/AD/CP/AM
130117