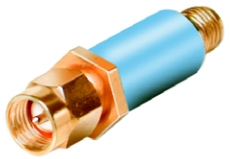
Coaxial

Low Pass Filter

DC to 1000 MHz

NEW!

VLF-1000



CASE STYLE: FF704
PRICE: $19.95 ea. QTY (10-24)

Maximum Ratings

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

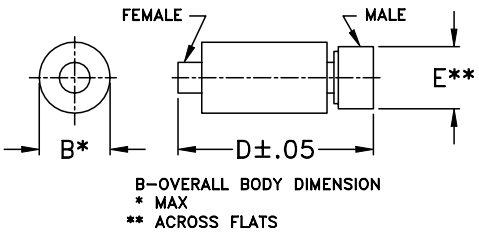
Features

- low cost
- small size
- 7 sections
- temperature stable
- patent pending

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Outline Drawing



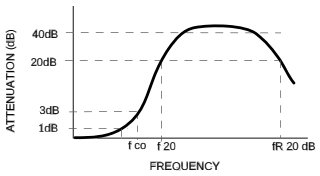
Outline Dimensions (inch / mm)

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

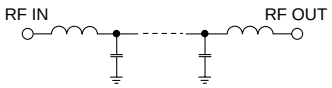
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f20 Min.	30 Typ.	fr 20 Typ.	VSWR (:1) Stopband Typ.	Passband Typ.	NO.OF SECTIONS
VLF-1000	DC-1000	1300	1550	1900-5000	5500	20	1.3	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50.00	0.01	1.01
500.00	0.30	1.05
1000.00	0.80	1.21
1275.00	3.33	2.23
1500.00	25.87	17.57
2000.00	49.50	34.75
2750.00	39.80	59.91
3250.00	43.45	51.10
4000.00	43.25	52.65
4600.00	43.25	59.91
5125.00	43.11	41.37
5500.00	22.76	34.75
6000.00	15.24	29.46
6500.00	19.30	62.05
7000.00	18.56	69.49