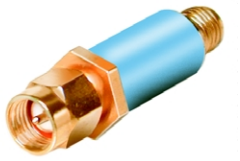
Coaxial

Low Pass Filter

DC to 1800 MHz

NEW!

VLF-1800



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.*

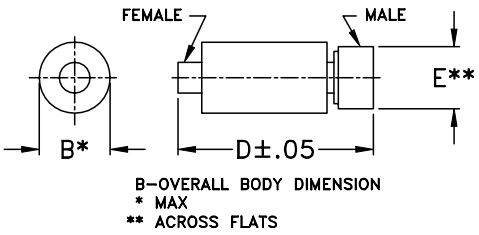
Features

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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Outline Drawing



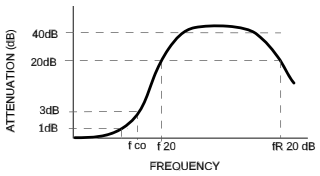
Outline Dimensions (inch / mm)

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

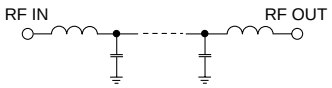
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 Min.	30 Typ.	fr 20 Typ.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
VLF-1800	DC-1800	2125	2425	2500-7200	8600	20	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100.00	0.07	1.01
500.00	0.21	1.11
1000.00	0.41	1.24
1500.00	0.62	1.24
1850.00	0.86	1.06
1875.00	0.90	1.07
2000.00	1.21	1.22
2125.00	2.29	1.88
2450.00	32.51	15.53
2500.00	33.42	17.05
4000.00	38.61	42.38
6000.00	37.95	34.07
7200.00	32.93	24.48
8800.00	20.55	18.90
9000.00	19.80	17.39