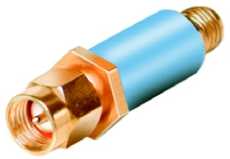
Coaxial

Low Pass Filter

DC to 1575 MHz

NEW!

VLF-1575



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.*

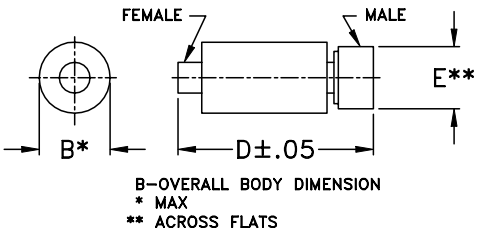
Features

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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Outline Drawing



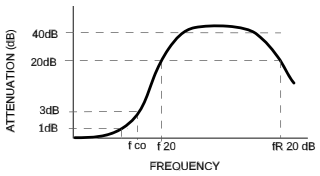
Outline Dimensions (inch / mm)

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

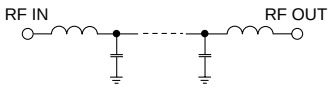
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

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-1575	DC-1575	1875	2175	2225-6800	7100	20	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100.00	0.08	1.03
1000.00	0.36	1.11
1575.00	0.76	1.21
1875.00	2.32	2.03
2000.00	7.66	5.56
2200.00	35.08	16.11
2275.00	32.67	18.90
2500.00	41.82	26.33
2700.00	37.22	32.18
4000.00	41.10	51.10
5000.00	43.27	48.26
6000.00	37.34	34.07
6800.00	35.05	27.16
7200.00	20.70	18.90
9000.00	16.86	17.57

