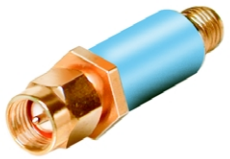
Coaxial

Low Pass Filter

DC to 320 MHz

NEW!

VLF-320



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	8.5*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.*

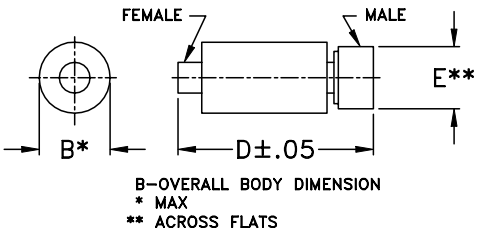
Features

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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Outline Drawing



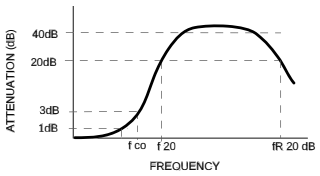
Outline Dimensions (inch / mm)

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

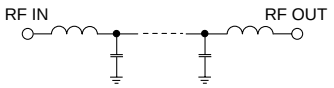
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 Min.	40 Typ.	fr 20 Typ.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
VLF-320	DC-320	460	560	640-2500	5300	20	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	0.09	1.02
100.00	0.36	1.04
320.00	0.79	1.17
350.00	.94	1.27
460.00	2.72	2.20
550.00	24.34	12.26
640.00	44.80	19.98
1000.00	49.75	54.29
1500.00	66.15	72.39
2500.00	41.71	59.91
3500.00	30.04	51.10
4000.00	26.30	33.42
4500.00	23.26	20.45
5000.00	21.80	26.33
5500.00	20.10	19.32