

Coaxial

Low Pass Filter

DC to 95 MHz

NEW!**VLF-95**

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input 8.5W max. at 25°C

DC Current Input to Output 0.5A max. at 25°C

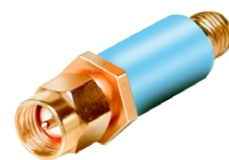
*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

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

Applications

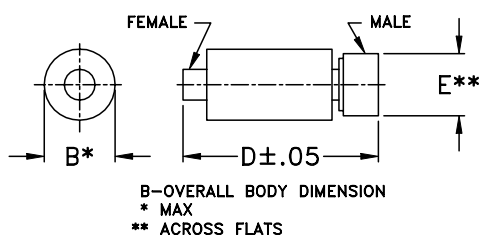
- harmonic rejection
- transmitters/receivers
- lab use



CASE STYLE: FF704

PRICE: \$19.95 ea. QTY (10-24)

Outline Drawing



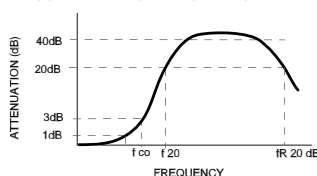
Outline Dimensions (inch/mm)

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

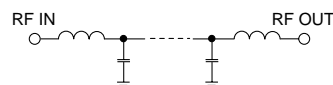
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
			f 20 Min.	40 Typ.	fr 20 Typ.	Stopband Typ.	Passband Typ.	
VLF-95	DC-95	165	220	240-1600	4500	20	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	0.21	1.05
95.00	0.89	1.12
165.00	3.29	2.13
185.00	6.95	4.41
200.00	12.69	7.60
220.00	25.31	10.37
240.00	40.82	12.18
300.00	36.40	15.53
500.00	46.32	29.96
700.00	61.06	48.26
1050.00	52.77	82.73
1750.00	39.88	62.05
2750.00	28.46	43.44
3750.00	23.85	11.46
4750.00	20.64	19.11

