

Coaxial

Low Pass Filter

DC to 1450 MHz

NEW!
VLF-1450

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

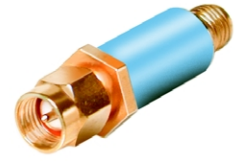
*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

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

Applications

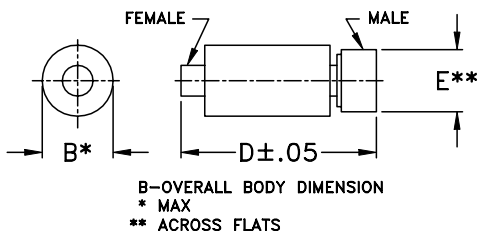
- harmonic rejection
- transmitters/receivers
- lab use



CASE STYLE: FF704

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

Outline Drawing



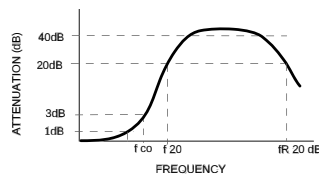
Outline Dimensions (inch/mm)

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

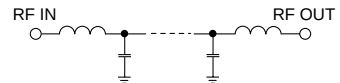
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

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.	30 Typ.	fr 20 Typ.	Stopband Typ.	Passband Typ.	
VLF-1450	DC-1450	1825	2025	2050-6600	6700	20	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100.00	0.10	1.03
1000.00	0.50	1.12
1400.00	0.86	1.07
1600.00	1.49	1.35
1700.00	2.90	2.22
1800.00	8.10	5.85
2025.00	33.68	18.90
2050.00	36.32	19.98
2500.00	35.12	34.07
2700.00	34.84	37.77
3000.00	37.19	43.44
5000.00	43.89	41.37
6600.00	30.75	21.20
6800.00	16.06	11.85
7000.00	18.67	18.11

