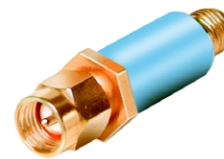


# Coaxial Low Pass Filter

DC to 630 MHz

**NEW!**  
VLF-630



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	8.5W 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

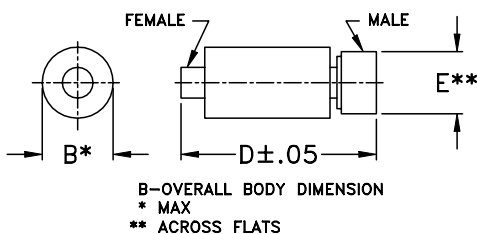
## Applications

- harmonic rejection
- transmitters/receivers
- lab use

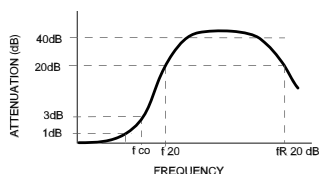
## Low Pass Filter Electrical Specifications (T<sub>AMB</sub>=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	f <sub>co</sub> , 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-630	DC-630	830	1000	1050-3500	6000	20	1.2	7

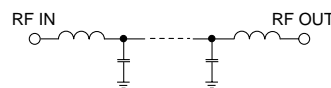
## Outline Drawing



## typical frequency response



## schematic



## Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	0.05	1.01
100.00	0.18	1.04
250.00	0.33	1.09
400.00	0.48	1.10
630.00	0.88	1.16
700.00	1.16	1.29
830.00	2.99	1.73
980.00	29.14	15.39
1020.00	41.38	17.75
2000.00	47.29	38.61
3500.00	43.24	44.55
4500.00	29.47	36.97
5000.00	26.58	28.49
5500.00	22.87	25.19
6000.00	21.45	21.20

## Outline Dimensions (inch/mm)

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

