

# Coaxial High Pass Filters

**NEW!**  
VHF-SERIES

850 to 7000 MHz

## Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	7W* max.

\*derate linearly to 3W at 100°C ambient.

## Features

- low cost
- small size
- 7 sections
- temperature stable
- excellent power handling, 7W
- patent pending

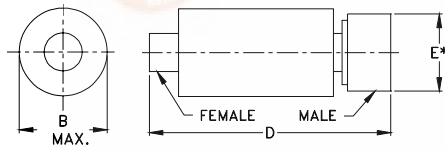
## Applications

- sub-harmonic rejection and dc blocking
- transmitters/receivers
- lab use



CASE STYLE: FF704  
PRICE: \$19.95 ea. QTY (10)

## Outline Drawing



B—OVERALL BODY DIMENSION  
\* ACROSS FLATS

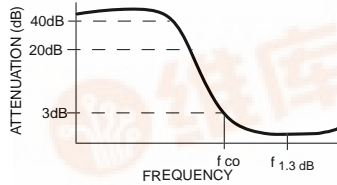
## Outline Dimensions (inch mm)

B	D	E	wt.
.461	1.42	.312	grams
11.71	36.07	7.92	10

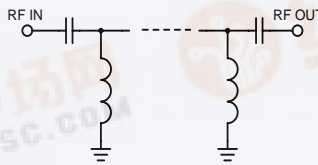
## High Pass Filter Electrical Specifications (T<sub>AMB</sub>=25°C)

MODEL NO.	STOP BAND (MHz)		f <sub>co</sub> , MHz Nom. (loss 3 dB) Typ.	PASSBAND (MHz)		VSWR Typ.		POWER INPUT (W) Max.	NO. OF SECTIONS	SCHEMATIC
	(loss>40 dB)	(loss>20 dB)		(loss<1.3 dB) Max.	(loss<2 dB) Typ.	Stopband	Frequency (MHz) 1.5:1			
VHF-650	390	480	650	850-2000	710-2490	20:1	760-1700	7	7	A
VHF-740	430	550	740	900-2200	780-2800	20:1	780-1900	7	7	A
VHF-880	500	640	880	1060-2500	950-3200	20:1	970-2400	7	7	A
VHF-1200	780	940	1180	1340-4000	1220-4600	20:1	1300-3200	7	7	A
VHF-1300	680	930	1300	1510-4000	1400-5000	20:1	1400-4000	7	7	A
VHF-1320	910	1060	1320	1700-3800	1400-5000	20:1	1700-3700	7	7	A
VHF-1500	1140	1280	1550	1850-4400	1600-5500	20:1	1620-3450	7	7	A
VHF-1600	1090	1290	1600	1950-4000	1650-5000	20:1	1700-4000	7	7	A
VHF-1760	950	1230	1760	2100-5200	1900-5500	20:1	2200-4500	7	7	B
VHF-1810	1100	1480	1810	2250-4000	1900-4750	20:1	2250-3750	7	7	A
VHF-1910	1100	1400	1910	2200-4400	2000-5200	20:1	2100-4500	7	7	A
VHF-2000	1300	1530	2000	2410-6000	2260-6250	20:1	2400-5600	7	7	B
VHF-2100	1200	1530	2100	2500-5000	2200-6000	20:1	2400-5200	7	7	A
VHF-2275	1400	1770	2275	2640-6230	2450-7000	20:1	2580-6000	7	7	B
VHF-2700	1500	1800	2500	3000-5700	2650-6500	20:1	2900-5500	7	7	B

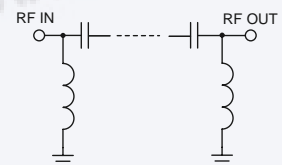
## typical frequency response



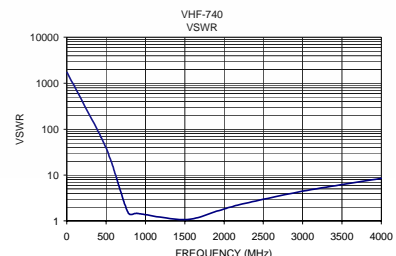
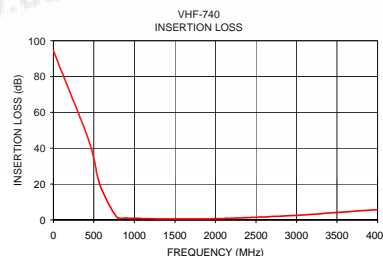
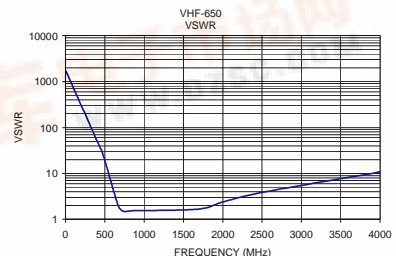
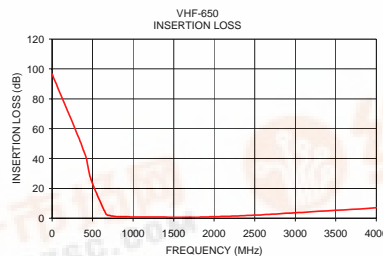
## schematic A



## schematic B



## Typical Performance Charts



REV. C  
M95032  
VHF-650 EDR-67131 VHF-880 EDR-64371  
VHF-740 EDR-67132 VHF-1300 EDR-64376  
VHF-1200 EDR-67133 VHF-1320 EDR-64371  
VHF-1500 EDR-67133 VHF-1600 EDR-64373  
VHF-1760 EDR-67111 VHF-1810 EDR-64374  
VHF-2000 EDR-67115 VHF-1910 EDR-64377  
VHF-2275 F78-67115 VHF-2100 F78-64375



# VHF-SERIES

