

# Coaxial High Pass Filter

NON-CATALOG

VHF-1910

50Ω 2000 to 5200 MHz



## Maximum Ratings

Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	7W max. at 25°C

\* Passband rating, derate linearly to 3W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

## Features

- rugged unibody construction, small size
- 7 sections
- temperature stable
- excellent power handling, 7W
- low cost

CASE STYLE: FF704

Connectors	Model
SMA	VHF-1910

Price: Contact Sales Dept.

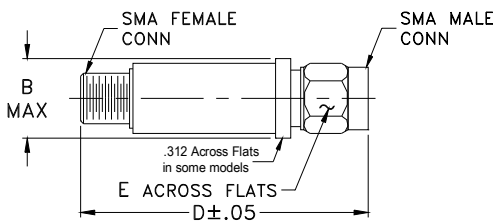
## Applications

- sub-harmonic rejection
- transmitters/receivers
- lab use

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

STOP BAND (MHz)		f <sub>co</sub> , MHz	PASSBAND (MHz)		VSWR (:1)	NO. OF SECTIONS
Min.		Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	Frequency (MHz)	
1075	1400	1910	2200-4400	2000-5200	Stopband 1.5:1	7

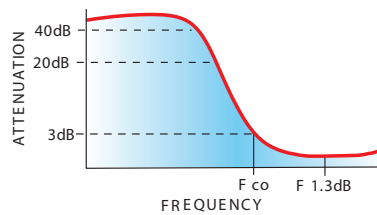
## Outline Drawing



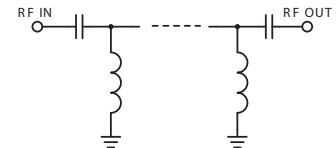
## Outline Dimensions (inch/mm)

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

## typical frequency response

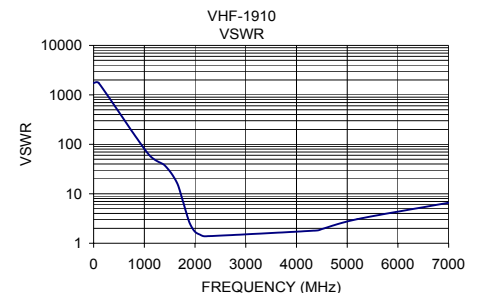
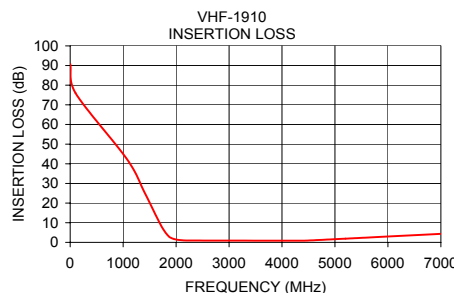


## electrical schematic



## Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	90.73	1737.18
100	76.02	1737.18
1075	42.24	64.35
1400	25.59	37.77
1630	13.07	17.75
1750	6.95	7.66
1850	3.37	3.43
1910	2.20	2.35
2000	1.44	1.71
2100	1.12	1.49
2200	0.95	1.38
4400	0.84	1.81
4500	0.96	1.93
5200	1.89	3.07
7000	4.33	6.58



## Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.  
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.  
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