

# Coaxial High Pass Filter

## VHF-880+

50Ω 950 to 3200 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-880+

### +RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

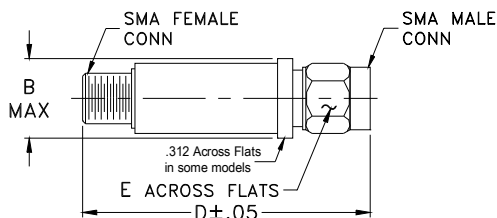
### Applications

- 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.	(loss > 40 dB)	Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	Frequency (MHz)	
	(loss > 20 dB)	Typ.	Max.	Typ.	Stopband	1.5:1	
500	640	880	1060-2500	950-3200	20:1	970-2400	7

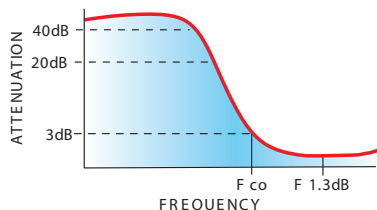
### Outline Drawing



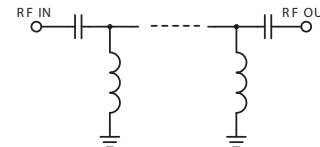
### Outline Dimensions (inch/mm)

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

### typical frequency response

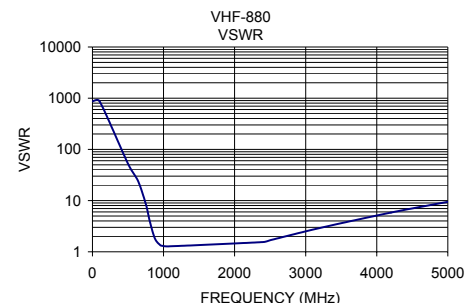
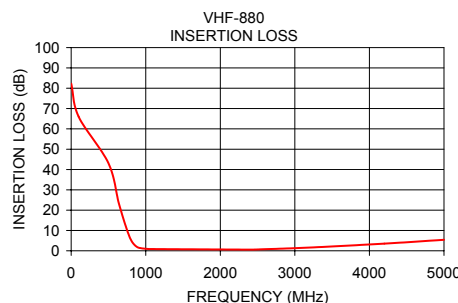


### electrical schematic



### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	82.28	868.59
100	65.99	868.59
500	43.09	52.65
640	23.32	24.48
750	10.12	8.60
810	4.81	3.78
880	1.98	1.81
950	1.20	1.36
970	1.09	1.32
1060	0.85	1.28
2400	0.56	1.55
2500	0.64	1.68
3200	1.59	2.92
4200	3.53	5.83
5000	5.41	9.48



### Notes

- 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.
- 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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