

Coaxial High Pass Filter

NON-CATALOG

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

Applications

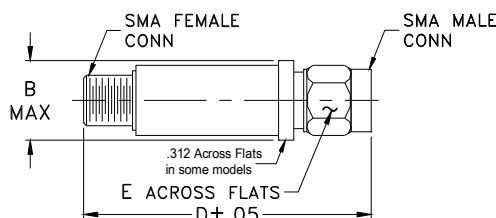
- sub-harmonic rejection
- transmitters/receivers
- lab use

CASE STYLE: FF704

Connectors	Model
SMA	VHF-880

Price: Contact Sales Dept.

Outline Drawing



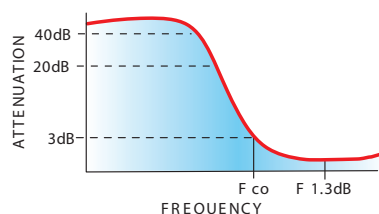
Outline Dimensions (inch/mm)

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

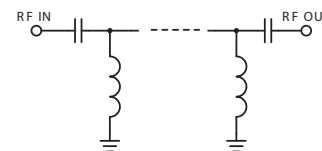
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz) Min.	f _{co} , MHz Nom.	PASSBAND (MHz)		VSWR (:1) Typ.	NO. OF SECTIONS
		(loss < 1.3 dB)	(loss < 2 dB)		
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	
500	640	880	1060-2500	950-3200	20:1
					970-2400

typical frequency response

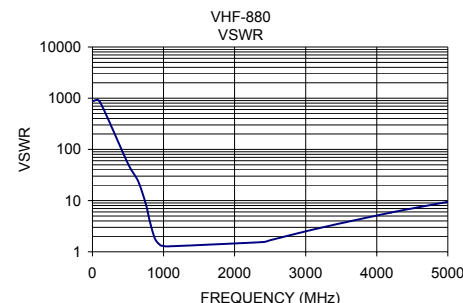


electrical schematic



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

- 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.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. F
M151777
VHF-880
EDR-6437/1
RVN/AD/AM
150717
Page 1 of 1