

High Pass Filter

VHF-440+

50Ω 500 to 2500 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 uni-body construction, small size
- 7 sections
- Temperature stable
- Excellent power handling, 7W
- Low cost

Applications

- Military
- Sub-harmonic rejection and DC blocking
- Transmitters/Receivers
- Lab use



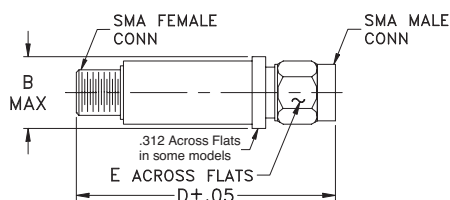
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-440+	\$24.95 ea.	(1-9)

+RoHS Compliant

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

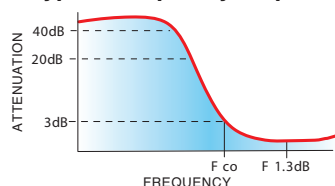
Outline Drawing



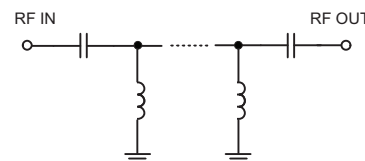
High Pass Filter Electrical Specifications (T_{AMB} = 25°C)

STOPBAND (MHz) Min.	f _{co} , MHz Nom.	PASSBAND (MHz)		VSWR Typ. Frequency (MHz)	NO. OF SECTIONS
		(Loss < 40dB)	(Loss > 20dB)		
230	350	440	600-1700	500-2500	7

typical frequency response



electrical schematic

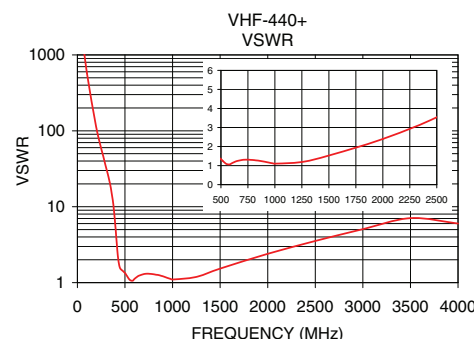
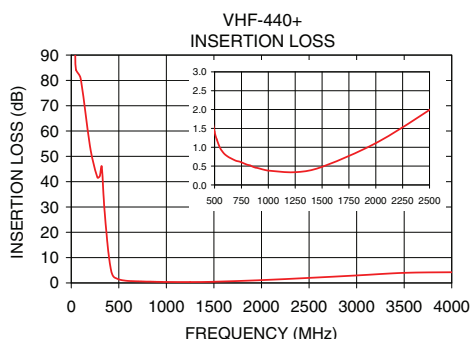


Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	84.17	1737.18
100	80.55	579.06
230	47.11	75.53
350	28.57	18.11
385	13.96	8.77
410	6.58	3.72
440	2.73	1.67
450	2.30	1.54
500	1.41	1.34
510	1.30	1.29
600	0.80	1.12
800	0.54	1.29
1000	0.38	1.10
1500	0.48	1.53
1700	0.69	1.84
2500	1.99	3.54
4000	4.24	6.01

Outline Dimensions (inch mm)

B	D	E	wt.
.410	1.43	.312	grams
10.41	36.32	7.92	10



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED
IF/RF MICROWAVE COMPONENTS

For detailed performance specs
& shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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.

REV. A
M129173
EDR-8822/7F2
VHF-440+
RAV
121016
Page 1 of 1