勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

Coaxial

High Pass Filter

VHF-1500+

50Ω 1600 to 5500 MHz



CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-1500+	$24.95 ea.	(1-9)

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

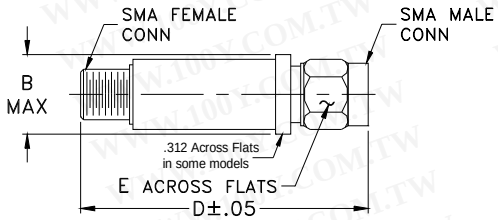
- rugged unibody construction, small size
- 7 sections
- temperature stable
- excellent power handling, 7W
- low cost

Applications

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

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

Outline Drawing



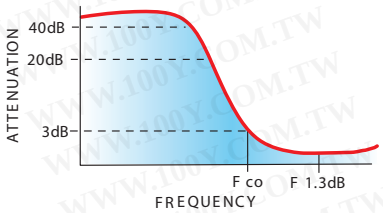
Outline Dimensions (inch / mm)

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

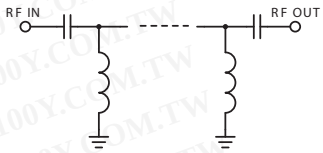
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz) Min. (loss ≥ 40 dB)	STOP BAND (MHz) Min. (loss > 20 dB)	fco, MHz Nom. (loss 3 dB) Typ.	PASSBAND (MHz) (loss < 1.3 dB) Max.	PASSBAND (MHz) (loss < 2 dB) Typ.	VSWR (:1) Typ. Stopband	VSWR (:1) Typ. Frequency (MHz) 1.5:1	NO. OF SECTIONS
1060	1250	1550	1850-4400	1600-5500	20:1	1620-3450	7

typical frequency response

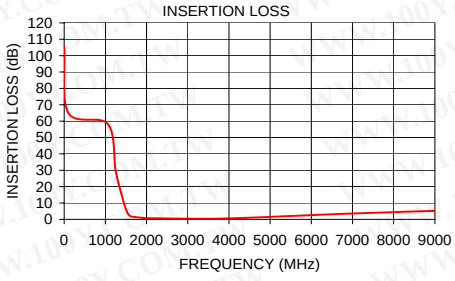


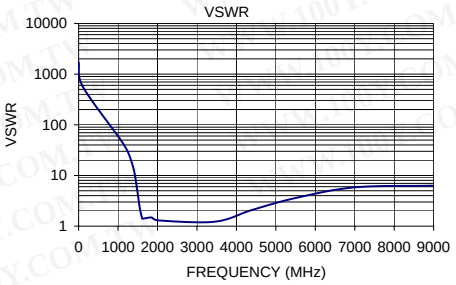
electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	105.45	1737.18
100	65.02	579.06
1060	58.21	51.10
1250	29.70	28.96
1400	14.48	12.80
1480	7.51	5.47
1550	3.42	2.31
1600	2.11	1.53
1620	1.82	1.41
1850	1.01	1.48
2000	0.75	1.30
3450	0.38	1.23
4400	0.91	2.09
5500	2.06	3.60
7000	3.60	5.83
9000	5.19	6.30





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