

High Pass Filter

50Ω 9000 to 13000 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

- Low cost
- Small size
- 5 sections
- Temperature stable
- Excellent power handling, 7W
- DC block in/out, breakdown voltage, 1kV typ.

Application

- Sub-harmonic rejection and DC blocking
- Transmitters/Receivers
- Lab use
- Instrumentation
- Test equipment

VHF-8400+
VHF-8400



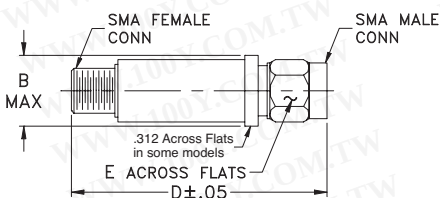
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-8400	\$24.95 ea.	(1-9)
SMA	VHF-8400+	\$24.95 ea.	(1-9)

+RoHS Compliant

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

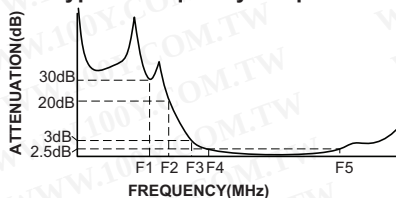
Outline Drawing



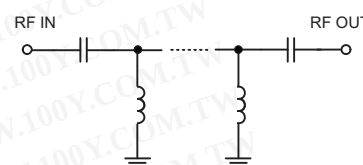
High Pass Filter Electrical Specifications (T_{AMB} = 25°C)

STOPBAND (MHz)		fco, MHz Nom.	PASSBAND (MHz)		VSWR Typ.		NO. OF SECTIONS
(Loss>30dB)	(Loss>20dB)	(Loss 3dB)	(Loss<2.5dB)	(Loss<3dB)	Stopband	Frequency	
Typ. DC-F1	Min. DC-F2	Typ. F3	Max. F4-F5	Max.		(MHz)	
DC-5700	DC-6000	8400	9500-13000	9000-13000	20:1	9000-13000	5

Typical Frequency Response



Electrical schematic



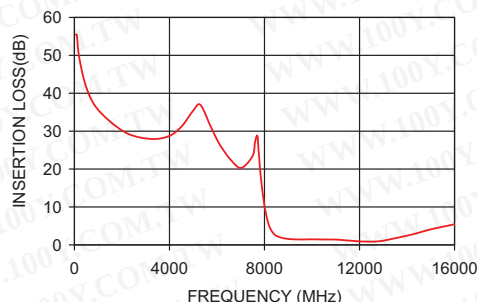
Outline Dimensions (inch mm)

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

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	55.48	1737.18
500	41.57	868.59
4500	31.17	49.64
5700	36.69	31.60
6000	27.78	29.46
7500	23.46	17.05
8020	9.65	5.68
8400	2.88	1.50
8600	2.11	1.15
9000	1.57	1.06
9500	1.43	1.24
10000	1.47	1.46
12000	0.92	1.22
13000	1.10	1.48
16000	5.43	4.72

VHF-8400
INSERTION LOSS



VHF-8400
VSWR

