

Coaxial High Pass Filter

50Ω 2200 to 6000 MHz

VHF-2100+
VHF-2100



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.

Features

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

Applications

- sub-harmonic rejection and dc blocking
- transmitters/receivers
- lab use

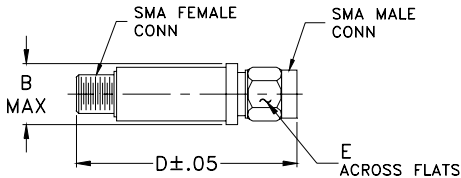
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-2100(+)	\$24.95 ea.	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Outline Drawing



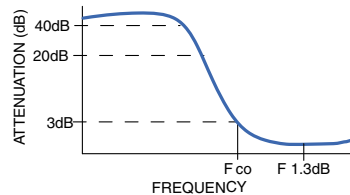
Outline Dimensions (inch/mm)

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

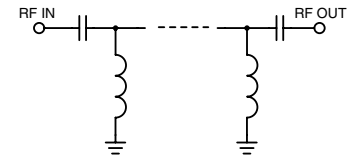
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz)		f _{co} , MHz	PASSBAND (MHz)		VSWR (:1)	NO. OF SECTIONS
Min.		Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	
(loss > 40 dB)	(loss > 20 dB)	(loss 3 dB) Typ.	Max.	Typ.	Frequency (MHz)	
1200	1530	2100	2500-5000	2200-6000	Stopband 1.5:1	7

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	87.12	1737.18
500.00	57.51	434.30
1200.00	57.51	62.05
1530.00	27.57	38.61
1800.00	14.13	17.22
2100.00	2.96	2.96
2500.00	0.86	1.29
3000.00	0.77	1.45
4000.00	0.67	1.39
5000.00	0.70	1.28
5681.00	1.24	1.82
6000.00	1.55	2.14
7000.00	2.69	3.34
8000.00	3.65	4.67
9000.00	4.72	6.30

