

Coaxial High Pass Filter

50Ω 1900 to 5500 MHz

VHF-1760+
VHF-1760



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

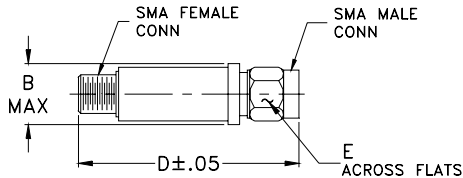
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-1760(+)	\$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



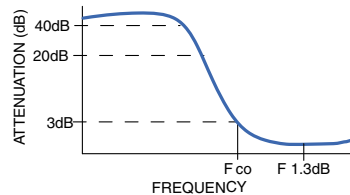
Outline Dimensions (inch/mm)

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

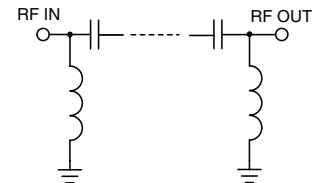
Electrical Specifications (T_{AMB} = 25°C)

STOP BAND (MHz)		f _{co} , MHz	PASSBAND (MHz)		VSWR (:1)		NO. OF SECTIONS
Min.		Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	Frequency (MHz)	
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	Stopband	1.5:1	
950	1230	1760	2100-5200	1900-5500	20:1	2200-4500	7

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	94.01	347.44
100.00	65.92	144.77
500.00	54.47	49.64
980.00	45.56	33.42
1230.00	25.54	25.56
1500.00	10.05	10.43
1760.00	3.16	3.42
2100.00	1.10	1.69
3000.00	0.54	1.24
4000.00	0.44	1.02
5200.00	1.04	2.04
5480.00	1.40	2.43
7000.00	3.99	6.42
8000.00	5.48	9.63
9000.00	4.94	4.99

