

Coaxial High Pass Filter

50Ω 2650 to 6500 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.

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

VHF-2700+
VHF-2700



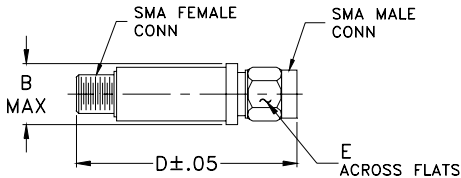
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-2700(+)	\$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



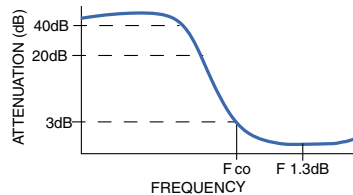
Outline Dimensions (inch/mm)

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

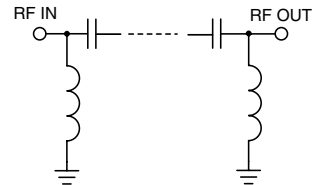
Electrical Specifications (T_{AMB}=25°C)

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)	Typ.	Max.	Typ.	Frequency (MHz)	
1500	1800	2500	3000-5700	2650-6500	Stopband 1.5:1	7

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50.00	65.94	217.15
500.00	53.84	86.86
1500.00	51.07	43.44
1775.00	30.32	36.20
2000.00	19.40	25.56
2540.00	3.04	3.22
3000.00	0.78	1.18
3500.00	0.60	1.27
4500.00	0.48	1.18
5700.00	0.81	1.73
6500.00	1.78	2.86
8100.00	4.67	6.46

