

High Pass Filter

VHF-2700A+

50Ω 2900 to 8700 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

- Rugged uni-body construction, small size
- 5 sections
- Temperature stable
- Excellent power handling, 7W
- Low cost

Application

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



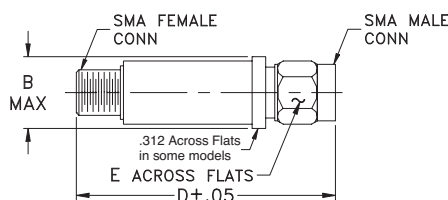
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-2700A+	\$24.95 ea.	(1-9)

+RoHS Compliant

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

Outline Drawing



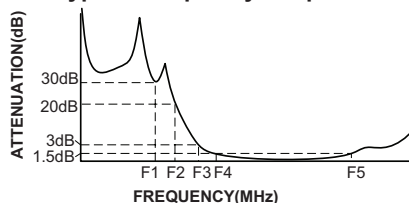
Outline Dimensions (inch mm)

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

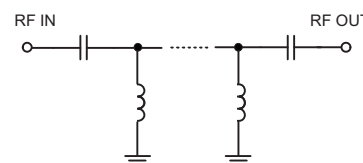
High Pass Filter Electrical Specifications (T_{AMB} = 25°C)

STOPBAND (MHz)		fco, MHz	PASSBAND (MHz)		VSWR Typ.		NO. OF SECTIONS
(Loss>30dB)	(Loss>20dB)	Nom.	(Loss<1.5dB)	(Loss<2dB)	Stopband	Frequency	
Typ. DC-F1	Min. DC-F2	Typ. F3	Max. F4-F5	Max.		(MHz)	
DC-2270	DC-2150	2700	3070-8500	2900-8700	20:1	3400-9000	5

Typical Frequency Response



Electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	53.16	1737.18
240	39.93	1737.18
1000	31.71	102.19
1650	53.03	62.05
2150	40.11	27.59
2270	30.26	23.81
2700	2.84	2.17
3000	1.04	1.39
3070	1.01	1.47
3400	0.80	1.45
6000	0.53	1.35
8500	0.62	1.20
8700	0.63	1.21
9000	0.71	1.26
10000	1.94	2.31
11000	18.01	13.60

