Coaxial

High Pass Filter

VHF-5500+
VHF-5500

50Ω 6000 to 11500 MHz

CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-5500	$24.95 ea.	(1-9)
SMA	VHF-5500+	$24.95 ea.	(1-9)

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

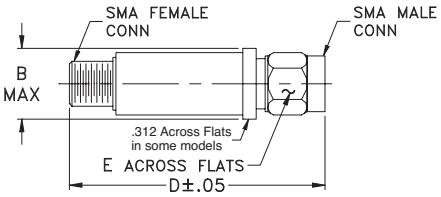
- Low Cost
- Small size
- 5 sections
- Temperature stable
- Excellent power handling, 7W
- DC block in/out, breakdown voltage, 1kV typ.

Application

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

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

Outline Drawing



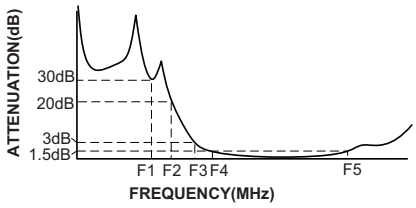
Outline Dimensions (inch / mm)

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

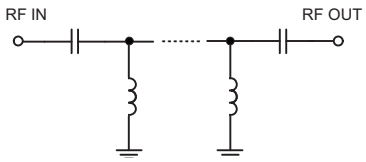
High Pass Filter Electrical Specifications (T_{AMB}= 25°C)

STOPBAND (MHz) (Loss>30dB) Typ. DC-F1	STOPBAND (MHz) (Loss>20dB) Min. DC-F2	fco, MHz Nom. (Loss 3dB) Typ. F3	PASSBAND (MHz) (Loss<1.5dB) Max. F4-F5	PASSBAND (MHz) (Loss<2dB) Max.	VSWR Typ. Stopband	VSWR Typ. Frequency (MHz) 1.5:1	NO. OF SECTIONS
DC-4000	DC-4500	5500	6600-10000	6000-11500	20:1	5600-11000	5

Typical Frequency Response



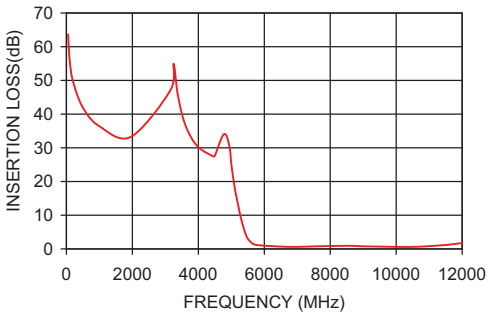
Electrical Schematic



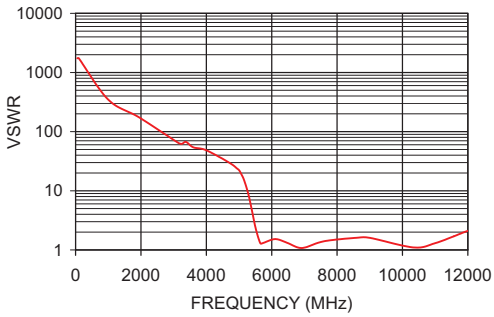
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	63.32	1737.18
500	41.73	868.59
1000	36.12	434.30
3250	44.07	62.05
4000	32.16	45.72
4500	27.90	34.75
5000	26.03	22.29
5500	3.24	2.44
5600	2.05	1.53
6000	1.39	1.53
6600	1.05	1.22
9000	1.09	1.60
10000	0.79	1.24
11500	1.18	1.64
12000	1.71	2.05

VHF-5500
INSERTION LOSS



VHF-5500
VSWR



For detailed performance specs & shopping online see web site

REV. C
M129173
EDR-6982/3
VHF-5500
RAV
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