

# Low Pass Filter

## VLF-7200+

50Ω \*DC to 7200



CASE STYLE: FF704

### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	8W at 25°C
DC Current Input to Output	0.5A max. at 25°C

\*Passband rating, derate linearly to 3 W at 100°C ambient  
Permanent damage may occur if any of these limits are exceeded.

### Features

- Rugged uni-body construction, small size
- 7 sections
- Excellent power handling, 8W
- Temperature stable
- Low cost
- Protected by US Patent 6,943,646

Connectors	Model	Price	Qty.
SMA	VLF-7200+	\$ 21.95 ea.	(1-9)

### Applications

- Harmonic rejection
- Transmitters/receivers
- Lab use

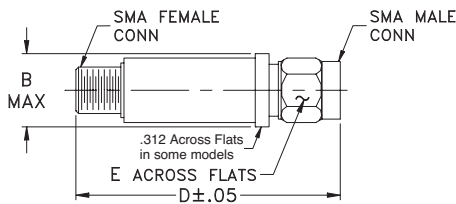
**+RoHS Compliant**  
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

### Low Pass Filter Electrical Specifications (T<sub>AMB</sub> = 25°C)

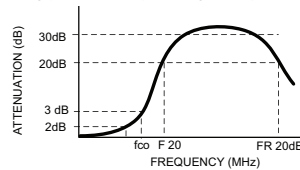
PASSBAND (MHz) (loss < 2 dB) Max.	f <sub>co</sub> , MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
		F 20 Min.	30 Typ.	FR 20 Typ.	Stopband Typ.	Passband Typ.	
*DC - 7200	8150	9500	8850 - 9600	12300	17	1.3	7

\* Not for use with DC voltage at input and output ports

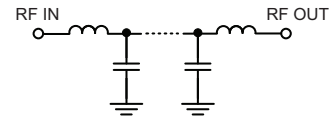
### Outline Drawing



### Typical frequency response



### Electrical schematic



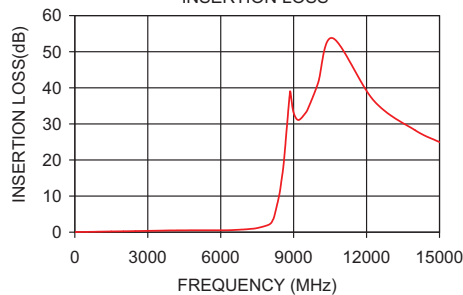
### Outline Dimensions (inch/mm)

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

### Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.06	1.04
500	0.09	1.04
2000	0.25	1.24
3600	0.45	1.46
6000	0.53	1.22
7200	0.89	1.42
8000	2.15	1.55
8150	3.48	2.07
8320	7.22	4.05
8500	14.32	8.08
8730	28.60	12.99
8850	38.88	15.13
9500	33.12	21.73
9600	34.36	22.29
10500	52.18	32.79
12300	36.42	56.04
15000	24.94	34.07

VLF-7200+  
INSERTION LOSS



VLF-7200+  
VSWR

