

Low Pass Filter

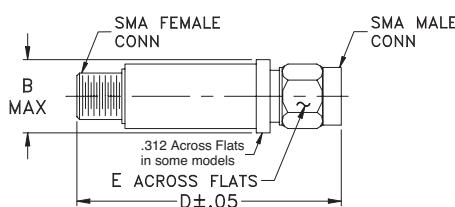
VLF-4400+

50Ω *DC to 4400 MHz

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.

Outline Drawing**Outline Dimensions (inch)**

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

Features

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



CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VLF-4400+	\$ 21.95 ea.	(1-9)

+RoHS Compliant

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

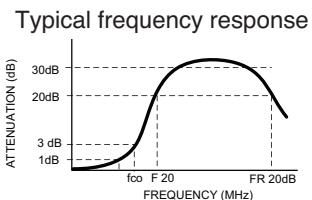
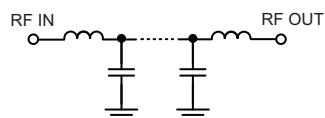
Applications

- Harmonic rejection
- Transmitters/receivers
- Lab use

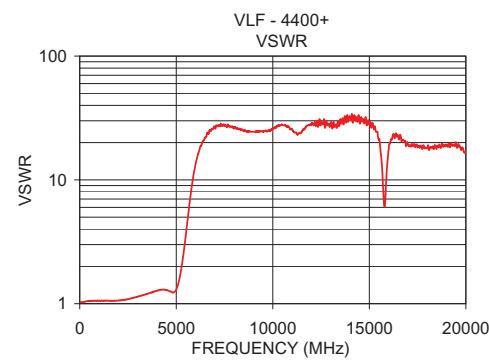
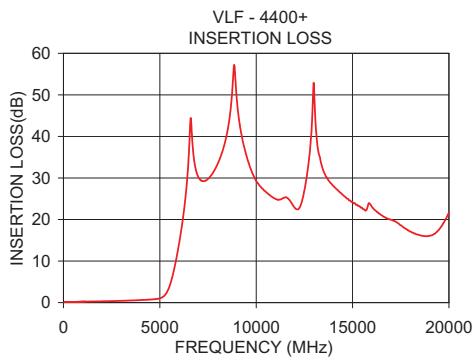
Low Pass Filter Electrical Specifications ($T_{AMB} = 25^\circ C$)

PASSBAND (MHz) (loss < 1 dB) Max.	f _{co} , MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS	
*DC-4400	5290	F 20 Min.	6700	6280-9800	FR 20 Typ.	Stopband Typ.	Passband Typ.	7

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

**Electrical schematic****Typical Performance Data at 25°C**

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.05	1.03
320	0.12	1.05
1340	0.23	1.05
3740	0.55	1.27
4400	0.73	1.33
5170	1.79	1.90
5290	2.69	2.62
5580	7.10	6.76
5860	14.01	13.81
6280	30.56	21.46
6700	31.54	25.56
7400	29.23	27.16
9800	33.62	28.03
13000	40.36	34.75
20000	18.06	15.00



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IF/RF MICROWAVE COMPONENTS

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