

Low Pass Filter

VLF-6400+

50Ω *DC to 6400 MHz



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

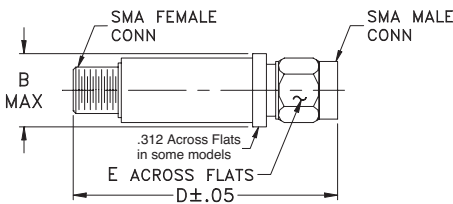
Connectors	Model	Price	Qty.
SMA	VLF-6400+	\$ 21.95 ea.	(1-9)

Applications

- Harmonic rejection
- Transmitters/receivers
- Lab use

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

Outline Drawing

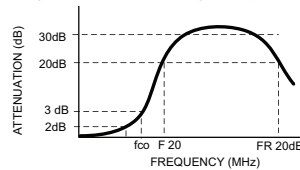


Low Pass Filter Electrical Specifications (T_{AMB} = 25°C)

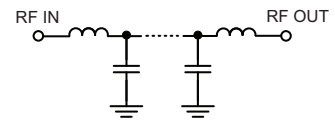
PASSBAND (MHz) (loss < 2 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
		F 20 Min.	30 Typ.	FR 20 Typ.	Stopband Typ.	Passband Typ.	
*DC - 6400	7200	8300	7770 - 10200	12500	17	1.2	7

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

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	0.08	1.03
2000	0.22	1.17
4000	0.39	1.28
5500	0.48	1.11
6400	0.79	1.33
7000	1.41	1.25
7200	2.73	1.92
7350	5.61	3.58
7500	11.17	6.94
7680	22.01	11.77
7770	30.63	13.81
8300	26.96	20.70
10200	34.63	31.03
11000	39.63	40.41
12500	37.94	69.49
15000	26.38	57.91

