

Low Pass Filter

DC to 4400 MHz

VLF-4400+

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

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8W
- temperature stable
- low cost
- protected by US Patent 6,943,646

Application

- harmonic rejection
- transmitters/receivers
- lab use



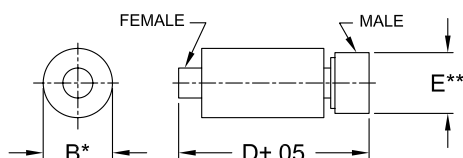
CASE STYLE: FF704

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

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Outline Drawing



B - OVERALL BODY DIMENSION

* MAX

** ACROSS FLATS

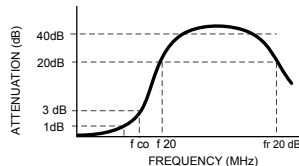
Outline Dimensions (inch mm)

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

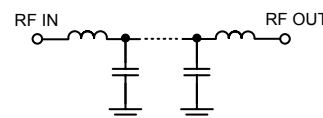
Low Pass Filter Electrical Specifications (T_{AMB} = 25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	f _{co} , 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.	
VLF-4400+	DC-4400	5290	6700	6280-9800	13000	17	1.2	7

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.05	1.03
320	0.13	1.04
1340	0.26	1.06
3740	0.55	1.23
4400	0.71	1.30
5170	1.42	1.60
5290	1.97	2.04
5580	5.04	4.67
5860	10.68	10.13
6280	23.22	18.70
6700	37.90	24.48
7400	29.43	27.16
9800	31.15	25.19
13000	51.82	28.96
20000	21.57	16.41

