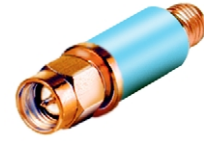


Coaxial

Low Pass Filter

DC to 1000 MHz

VLF-1000+ VLF-1000



CASE STYLE: FF704
CONNECTORS: SMA
PRICE: \$21.95 ea. QTY (1-9)

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	10W max. at 25°C
DC Current Input to Output	0.5A max. at 25°C

*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
- low cost
- protected by US Patent 6,943,646

Applications

- harmonic rejection
- transmitters/receivers
- lab use

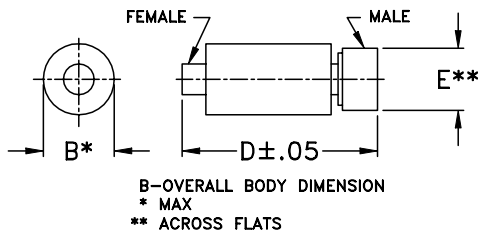
+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

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

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

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
			f20 Min.	30 Typ.	fr 20 Typ.	Stopband Typ.	Passband Typ.	
VLF-1000(+)	DC-1000	1300	1550	1900-5000	5500	20	1.3	7

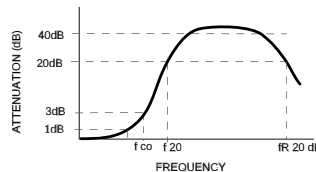
Outline Drawing



Outline Dimensions (inch/mm)

B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

typical frequency response



schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50.00	0.01	1.01
500.00	0.30	1.05
1000.00	0.80	1.21
1275.00	3.33	2.23
1500.00	25.87	17.57
2000.00	49.50	34.75
2750.00	39.80	59.91
3250.00	43.45	51.10
4000.00	43.25	52.65
4600.00	43.25	59.91
5125.00	43.11	41.37
5500.00	22.76	34.75
6000.00	15.24	29.46
6500.00	19.30	62.05
7000.00	18.56	69.49

