

Coaxial

Low Pass Filter

DC to 1525 MHz

NEW!
VLF-1525

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input 10*W max. at 25°C

DC Current Input to Output 0.5A max. at 25°C

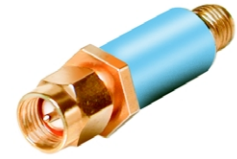
*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

- low cost
- small size
- 7 sections
- temperature stable
- patent pending

Applications

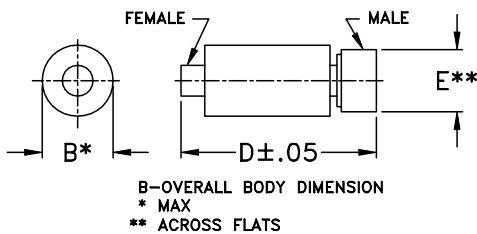
- harmonic rejection
- transmitters/receivers
- lab use



CASE STYLE: FF704

PRICE: \$19.95 ea. QTY (10-24)

Outline Drawing



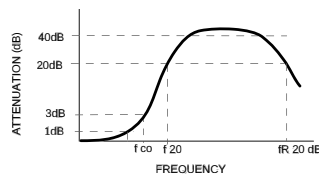
Outline Dimensions (inch/mm)

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

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
			f 20 Min.	30 Typ.	fr 20 Typ.	Stopband Typ.	Passband Typ.	
VLF-1525	DC-1525	1750	2000	2075-6600	6700	20	1.2	7

typical frequency response

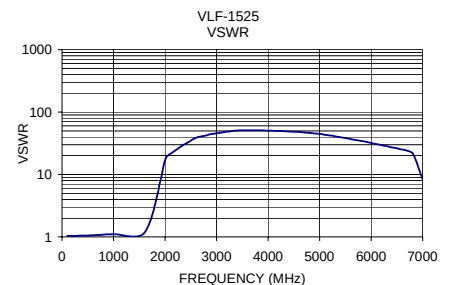
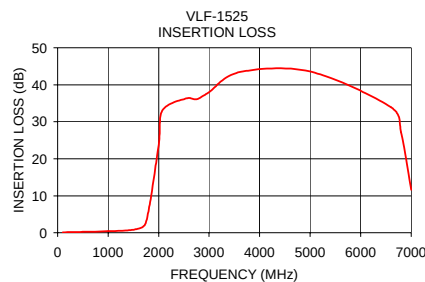


schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100.00	0.11	1.04
500.00	0.24	1.05
1000.00	0.42	1.10
1525.00	0.89	1.05
1750.00	2.84	2.25
2000.00	23.74	17.05
2075.00	33.04	20.70
2550.00	36.33	36.97
2750.00	36.09	41.37
3000.00	38.02	45.72
3600.00	43.41	51.10
5000.00	43.57	44.55
6600.00	33.91	25.19
6800.00	27.19	22.00
7000.00	11.63	8.35

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 M94020
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