

Coaxial

Low Pass Filter

NEW!

VLF-800

DC to 800 MHz

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

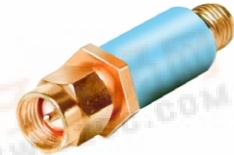
*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

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

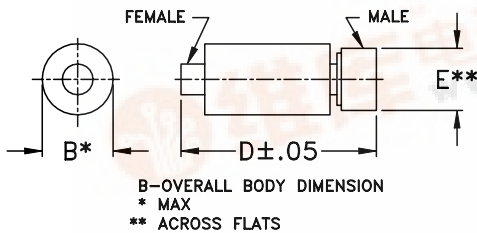
Applications

- harmonic rejection
- transmitters/receivers
- lab use



CASE STYLE: FF704
PRICE: \$19.95 ea. QTY (10-24)

Outline Drawing



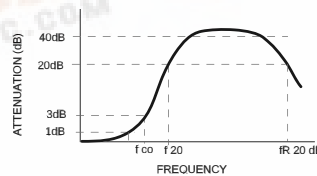
Outline Dimensions (inch)

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

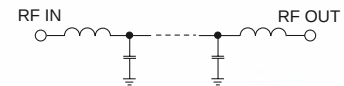
Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

MODEL NO.	PASSBAND (MHz) (loss < 1 dB) Max.	f _{co} , MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO.OF SECTIONS
			f ₂₀ Min.	30 Typ.	f _{r20} Typ.	Stopband Typ.	Passband Typ.	
VLF-800	DC-800	1075	1275	1350-5000	5100	20	1.2	7

typical frequency response

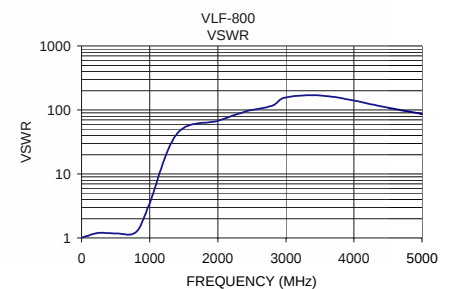
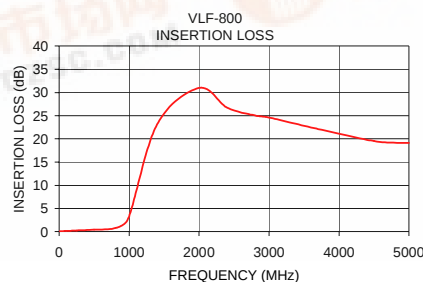


schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10.00	0.06	1.01
100.00	0.15	1.09
250.00	0.27	1.20
500.00	0.43	1.18
800.00	0.76	1.23
990.00	2.90	3.27
1400.00	23.15	42.47
2000.00	30.97	67.92
2400.00	26.74	94.43
2800.00	25.03	117.13
3000.00	24.60	157.82
3600.00	22.47	165.36
4500.00	19.54	108.74
5000.00	19.11	86.49



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