HenryTech

Low Pass Filter

HT-VLF-800+

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
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50Ω *DC to 800 MHz

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Electrical Specifications at 25°C

PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 min.	40 typ.	fr 20 max.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
DC~800	1075	1275	1350-4850	5100	20	1.2	7

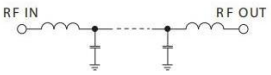
* Not for use with DC voltage at input and output ports

Typical Performance Data

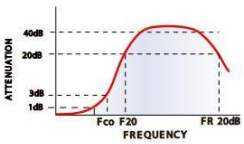
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	0.06	1.01
100	0.14	1.06
300	0.26	1.10
600	0.46	1.14
800	0.71	1.13
1000	1.66	1.29
1075	3.38	1.88
1120	7.07	3.86
1170	14.92	8.72
1275	29.63	18.30
1350	32.29	23.18
2000	38.01	48.26
3000	48.80	54.29
4850	47.41	57.91
5100	31.24	49.64

electrical schematic



typical frequency response



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. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing

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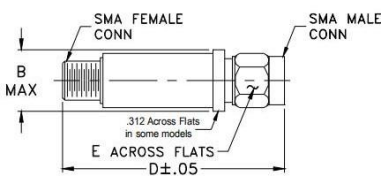
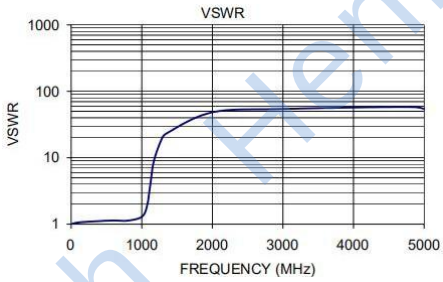


Outline Dimensions：Unit (mm)			
B	10.41	E	7.92
D	36.32		
wt	10.0		



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