HenryTech

Low Pass Filter

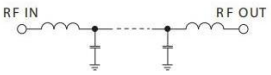
HT-VLF-1500+

Features
- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
- low cost

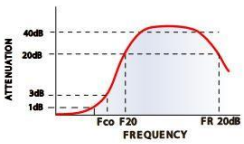
Applications
- harmonic rejection
- transmitters/receivers
- lab use

50Ω *DC to 1500 MHz

electrical schematic



typical frequency response



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~1500	1825	2100	2150-6600	6800	20	1.2	7

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

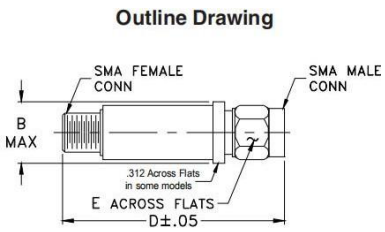
Typical Performance Data
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.07	1.04
500	0.18	1.04
1500	0.67	1.27
1700	1.16	1.38
1825	2.84	2.46
1900	6.24	4.93
2000	16.20	12.80
2100	36.11	20.22
2150	34.78	23.49
3000	31.36	45.72
4000	42.21	51.10
5000	45.73	62.05
6600	31.36	38.61
6800	34.26	41.37
7000	24.02	31.03

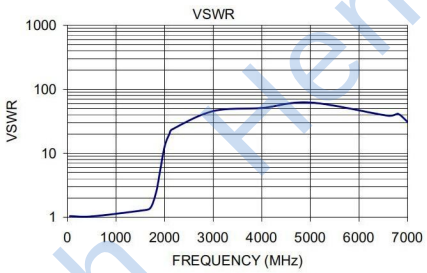
Maximum Ratings

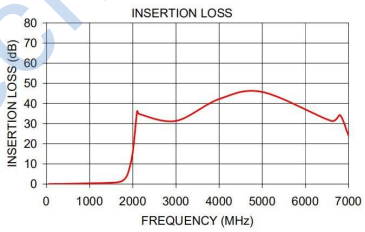
Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 10W max. at 25°C
DC Current Input to Output 0.5A max. at 25°C
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



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





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