HenryTech

Low Pass Filter

HT-VLF-400+

Features
- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8.5W
- temperature stable
- low cost

50Ω *DC to 400 MHz

Applications
- harmonic rejection
- transmitters/receivers
- lab use

Electrical Specifications at 25°C

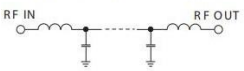
PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 min.	40 typ.	fr 20 max.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
DC~400	560	660	680-3000	5500	20	1.2	7

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

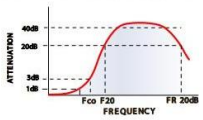
Typical Performance Data
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.06	1.02
100	0.27	1.10
400	0.80	1.12
500	1.44	1.39
560	2.77	2.01
600	5.87	3.54
620	9.82	5.72
650	20.09	10.62
660	24.64	12.01
680	35.49	14.50
1000	42.32	33.42
2000	59.01	57.91
3000	39.73	64.35
4500	23.58	45.72
5500	23.21	43.44

electrical schematic



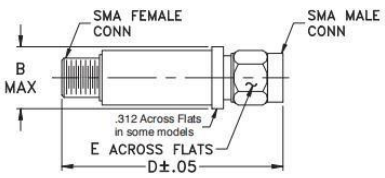
typical frequency response



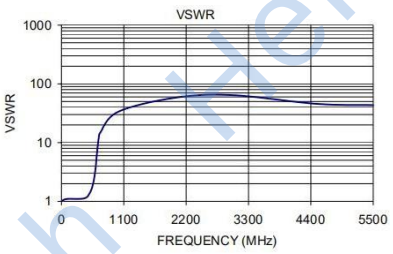
Maximum Ratings

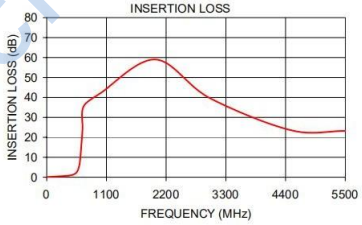
Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 8.5W at 25°C
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



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





Tel：+86-28-85589664 Web：www.hltchips.com
Adress：No. 198, Tianqin East Street, High-tech West District, Chengdu