HenryTech

Low Pass Filter

HT-VLF-320+

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

50Ω *DC to 320 MHz

Applications
- harmonic rejection
- transmitters/receivers
- lab use

Electrical Specifications at 25°C

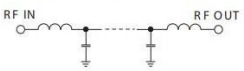
PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 min.	40 typ.	fr 20 max.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
DC~320	460	560	640-2500	5300	20	1.2	7

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

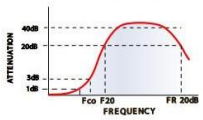
Typical Performance Data
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.09	1.02
100	0.30	1.05
320	0.83	1.16
400	1.56	1.63
460	3.07	2.32
500	7.33	4.34
520	13.60	7.94
545	25.47	12.71
560	34.83	14.62
640	49.07	20.45
1000	55.95	34.75
2500	43.30	51.1
4000	25.31	40.41
5200	23.02	41.37
5500	22.51	41.37

electrical schematic



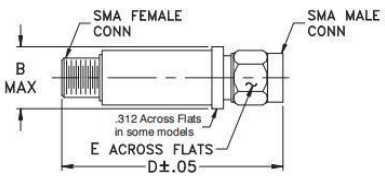
typical frequency response



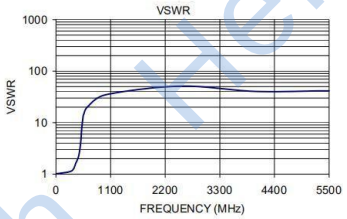
Maximum Ratings

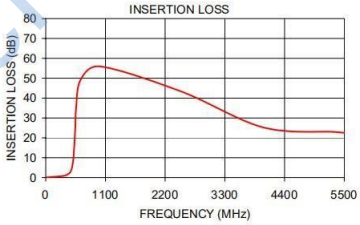
Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 8.5W at 25°C
DC Current Input to Output 0.5A max. at 25°C
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



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





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