HenryTech

Low Pass Filter

HT-VLF-80+

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

Applications
- harmonic rejection
- transmitters/receivers
- lab use

50Ω *DC to 80 MHz

Electrical Specifications at 25°C

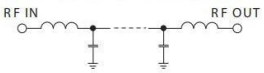
PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB) f 20 min.	40 typ.	fr 20 max.	VSWR (:1) Stopband Typ.	Passband Typ.	NO. OF SECTIONS
DC~80	145	200	225-1500	4500	20	1.2	7

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

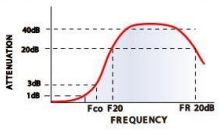
Typical Performance Data
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.22	1.05
50	0.54	1.12
80	0.80	1.14
120	1.48	1.31
145	3.00	2.05
165	5.77	2.21
175	10.24	1.96
185	22.74	4.50
200	33.16	7.66
225	44.32	9.96
500	44.85	43.44
1000	46.49	78.97
1550	43.24	75.53
2500	28.79	82.73
4500	22.48	66.82

electrical schematic



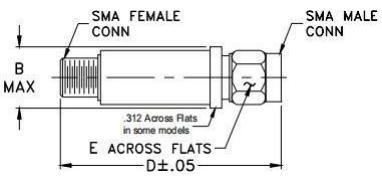
typical frequency response



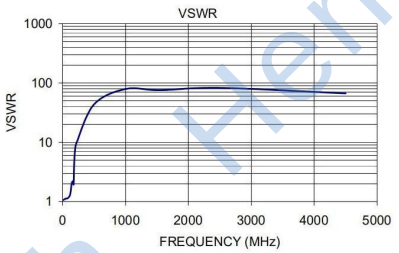
Maximum Ratings

Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 8.5W 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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