HenryTech

Low Pass Filter

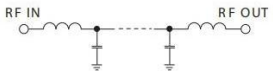
HT-VLF-6400+

Features
- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8W
- temperature stable
- low cost

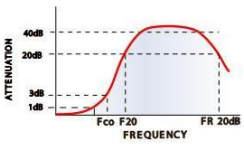
Applications
- harmonic rejection
- transmitters/receivers
- lab use

50Ω *DC to 6400 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-6400	7200	8300	7770-10200	12500	17	1.2	7

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

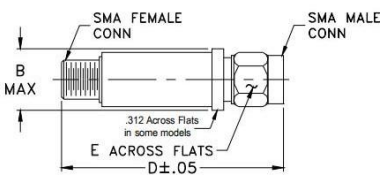
Typical Performance Data
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.06	1.04
500	0.08	1.03
2000	0.22	1.17
4000	0.39	1.28
5500	0.48	1.11
6400	0.79	1.33
7000	1.41	1.25
7200	2.73	1.92
7350	5.61	3.58
7500	11.17	6.94
7680	22.01	11.77
7770	30.63	13.81
8300	26.96	20.70
10200	34.63	31.03
11000	39.63	40.41
12500	37.94	69.49
15000	26.38	57.91

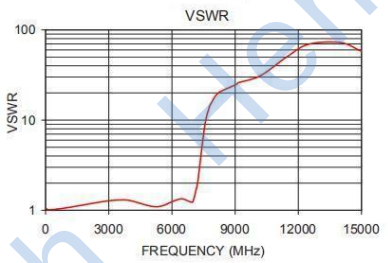
Maximum Ratings

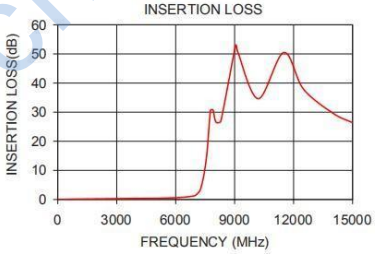
Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 8W max. at 25°C
DC Current Input to Output 0.5A max. at 25°C
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



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





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