HenryTech

Low Pass Filter

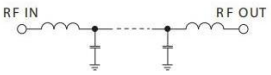
HT-VLF-2600+

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

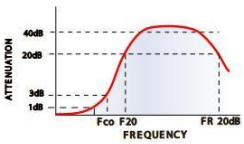
Applications
- harmonic rejection
- transmitters/receivers
- lab use

50Ω *DC to 2600 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~2600	3125	3750	3900-6500	8400	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)

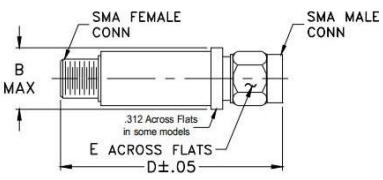
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100	0.07	1.03
1000	0.25	1.04
2600	0.78	1.25
3125	2.97	2.89
3560	15.15	14.74
3750	23.32	21.46
3900	30.08	24.14
4000	34.10	26.33
5550	45.41	36.97
6000	39.18	42.38
6600	30.88	43.44
7000	27.65	49.64
8000	22.82	54.29
8400	21.58	56.04
9000	19.95	66.82

Maximum Ratings

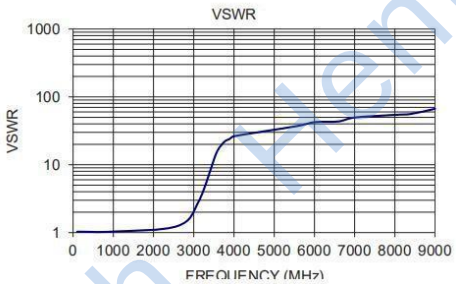
Operating Temperature -55°C to 100°C
Storage Temperature -55°C to 100°C
RF Power Input* 10W max. at 25°C
DC Current Input to Output 0.5A max. at 25°C
* Passband rating, derate linearly to 3.5W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing

Outline Drawing



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



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