

Low Pass Filter

HT-VLF-120+



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

Electrical Specifications at 25°C

PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
		f 20 min.	40 typ.	fr 20 max.	Stopband Typ.	Passband Typ.	
DC~120	195	280	300-1850	4750	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)

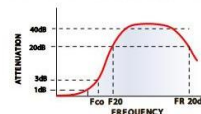
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.13	1.04
50	0.42	1.08
120	0.84	1.09
160	1.31	1.16
195	2.90	1.74
216	6.14	2.62
240	14.01	3.81
265	28.41	4.40
280	41.01	4.56
300	46.04	4.87
500	46.50	21.46
1000	75.07	82.73
1850	40.40	82.73
2500	33.53	64.35
4750	22.25	62.05

50Ω *DC to 120 MHz

electrical schematic



typical frequency response



Maximum Ratings

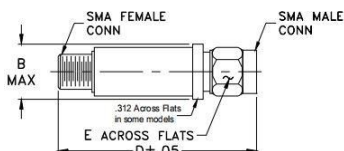
Operating Temperature -55°C to 100°C

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		

