

Low Pass Filter

HT-VLF-1200+

Features

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

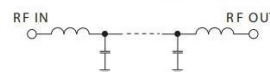
Applications

- harmonic rejection
- transmitters/receivers
- lab use

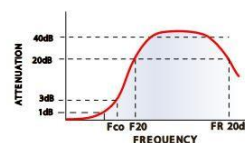


50Ω *DC to 1200 MHz

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)			VSWR (:1)		NO. OF SECTIONS
		f 20 min.	40 typ.	fr 20 max.	Stopband Typ.	Passband Typ.	
DC~1200	1530	1850	2000-5000	6200	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)
50	0.07	1.01
250	0.14	1.05
700	0.32	1.15
1200	0.69	1.06
1400	1.45	1.48
1530	3.63	2.20
1600	7.44	3.56
1700	17.61	7.70
1865	30.16	14.87
2000	30.80	19.11
3500	37.28	38.61
5000	37.80	45.72
6000	27.00	34.75
6200	16.43	16.56
70000	15.93	32.18

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

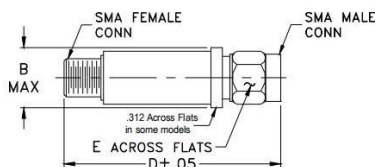
RF Power Input* 10W max. at 25°C

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		

