

Low Pass Filter

Features

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

Applications

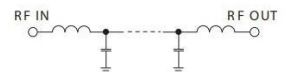
- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-7200+

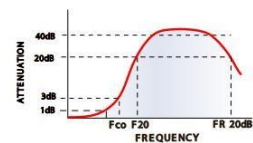


50Ω *DC to 7200 MHz

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-7200	8150	9500	8850-9600	12300	17	1.3	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	0.09	1.04
2000	0.25	1.24
3600	0.45	1.46
6000	0.53	1.22
7200	0.89	1.42
8000	2.15	1.55
8150	3.48	2.07
8320	7.22	4.05
8500	14.32	8.08
8730	28.60	12.99
8850	38.88	15.13
9500	33.12	21.73
9600	34.36	22.29
10500	52.18	32.79
12300	36.42	56.04
15000	24.94	34.07

Maximum Ratings

Operating Temperature -55°C to 100°C

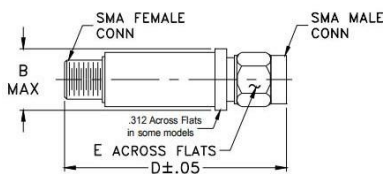
Storage Temperature -55°C to 100°C

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		

