

Low Pass Filter

HT-VLF-5500+



50Ω *DC to 5500 MHz

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8W
- 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-5500	6200	7200	6770-9500	12100	17	1.3	7

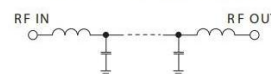
* Not for use with DC voltage at input and output ports

Typical Performance Data

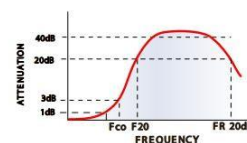
(TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.04	1.04
500	0.12	1.04
1500	0.20	1.14
3000	0.39	1.33
4800	0.51	1.13
5500	0.81	1.37
6200	2.80	1.99
6300	4.85	3.30
6400	8.25	5.72
6550	15.66	10.96
6700	26.89	15.96
6770	34.76	17.75
7200	26.40	24.48
9500	40.75	37.77
10500	51.98	48.26
12100	32.16	64.35
15000	25.07	37.77

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

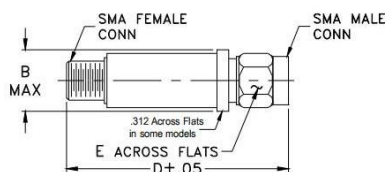
Storage Temperature -55°C to 100°C

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		

