

Low Pass Filter

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 9W
- temperature stable
- low cost

Applications

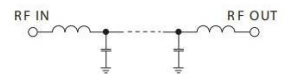
- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-6700+

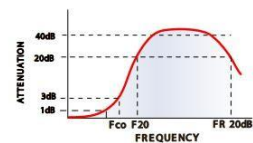


50Ω *DC to 6700 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 9W 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.

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-6700	7600	9300	9500-11000	18000	20	1.3	7

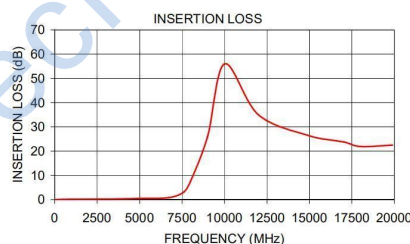
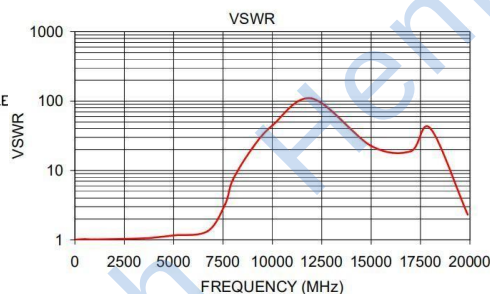
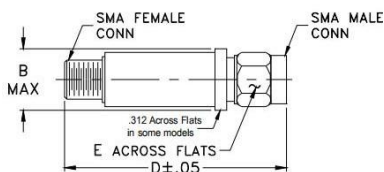
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.03	1.01
500	0.08	1.02
1000	0.15	1.01
3500	0.25	1.05
5000	0.47	1.16
6700	0.79	1.32
7600	3.12	3.22
8000	7.62	7.34
9000	26.00	21.20
10000	55.95	44.55
12000	34.91	108.58
15000	26.32	22.58
17000	23.79	18.90
18000	21.88	40.41
19890	22.46	2.30

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt		10.0	