

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 9W
- 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-5000	5580	6850	7050-10000	18000	20	1.2	7

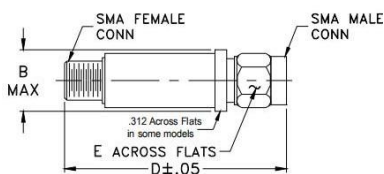
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

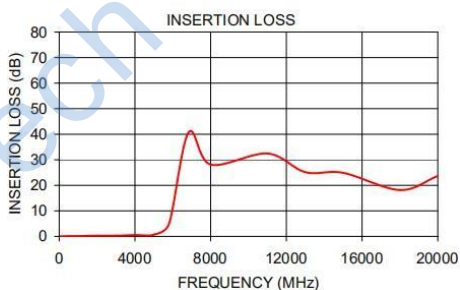
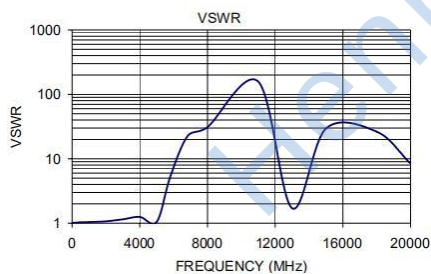
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.01	1.01
500	0.10	1.03
1000	0.14	1.04
2000	0.26	1.07
3000	0.31	1.15
4000	0.51	1.25
5000	0.68	1.05
5800	4.91	5.30
6830	40.67	22.58
8000	28.12	31.03
11000	32.43	157.93
13000	25.15	1.71
15000	24.88	29.46
18000	18.17	26.33
20000	23.63	8.43

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

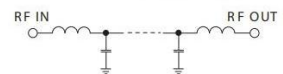


HT-VLF-5000+

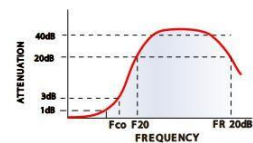


50Ω *DC to 5000 MHz

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.