

Features

- rugged uni-body construction, small size
- 5 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-3800	4850	6000	5700-8300	13000	17	1.3	7

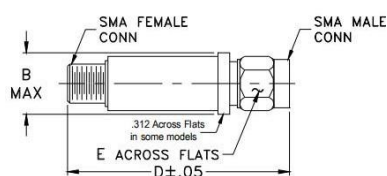
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

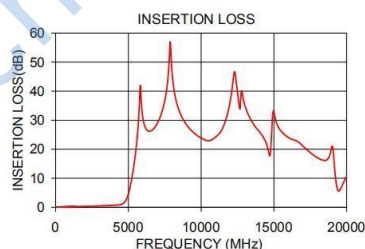
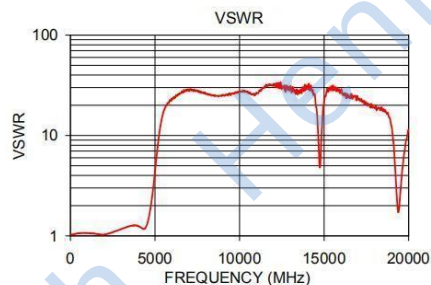
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.01	1.03
1550	0.28	1.04
3060	0.47	1.18
3900	0.65	1.27
4510	1.00	1.27
4760	1.87	2.01
4850	2.60	2.60
4930	3.55	3.39
5120	7.00	6.76
5380	14.48	14.03
5700	30.38	20.22
6000	30.58	22.87
8300	36.33	25.56
13000	35.19	31.03
20000	10.55	11.46

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

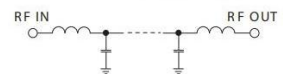


HT-VLF-3800+

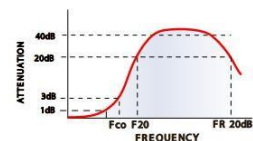


50Ω *DC to 3800 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 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.