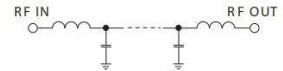


## HT-VLF-4400+

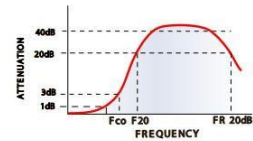


50Ω \*DC to 4400 MHz

### 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.

### 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-4400	5290	6700	6280-9800	13000	17	1.2	7

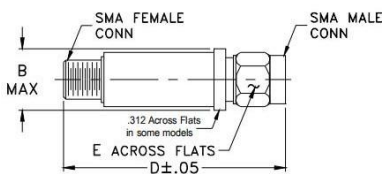
\* Not for use with DC voltage at input and output ports

### Typical Performance Data

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

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.05	1.03
320	0.12	1.05
1340	0.23	1.05
3740	0.55	1.27
4400	0.73	1.33
5170	1.79	1.90
5290	2.69	2.62
5580	7.10	6.76
5860	14.01	13.81
6280	30.56	21.46
6700	31.54	25.56
7400	29.23	27.16
9800	33.62	28.03
13000	40.36	34.75
20000	18.06	15.00

### Outline Drawing



### Outline Dimensions: Unit ( mm )

B	10.41	E	7.92
D	36.32		
wt		10.0	

