

Features

- rugged uni-body construction, small size
- 5 sections
- excellent power handling, 8W
- temperature stable
- low cost

Applications

- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-3400+

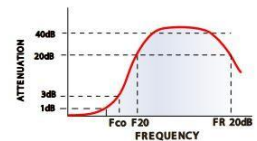


50Ω *DC to 3400 MHz

electrical schematic



typical frequency response



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-3400	3950	4300	4600-7800	8300	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)
40	0.01	1.01
100	0.03	1.01
500	0.08	1.05
1000	0.15	1.12
2000	0.29	1.29
3000	0.58	1.58
3400	0.85	1.74
3800	1.61	1.83
3950	3.15	2.29
4050	6.53	3.73
4150	13.83	6.91
4300	26.75	12.18
4600	24.94	20.45
5050	23.14	27.16
6500	23.33	36.97
7800	29.30	45.72
8300	21.56	35.46

Maximum Ratings

Operating Temperature -55°C to 100°C

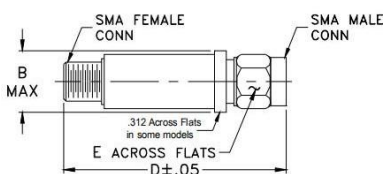
Storage Temperature -55°C to 100°C

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		

