

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
- low cost

Applications

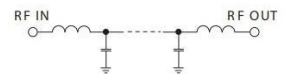
- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-1400+

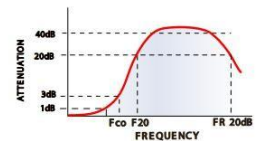


50Ω *DC to 1400 MHz

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~1400	1700	2015	2100-6600	6800	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	0.07	1.02
500	0.17	1.08
1000	0.35	1.14
1400	0.62	1.10
1600	1.28	1.67
1700	2.55	2.67
1790	5.56	5.25
1880	11.44	10.96
2015	25.70	17.75
2100	37.96	18.90
3500	53.01	35.46
5000	39.77	52.65
6600	41.25	43.44
6800	28.87	38.61
7000	18.61	21.73

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

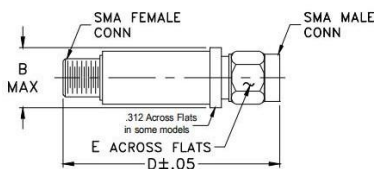
RF Power Input* 10W max. at 25°C

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 Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

