

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8.5W
- temperature stable
- low cost

Applications

- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-225+

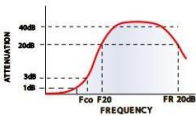


50Ω *DC to 225 MHz

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~225	350	460	510-2500	5500	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)
1	0.09	1.02
100	0.38	1.09
225	0.72	1.09
350	2.21	1.71
440	21.59	10.43
510	35.18	17.93
620	40.34	16.33
820	63.40	40.41
900	50.90	45.72
1450	53.99	72.39
2500	41.57	82.73
3000	35.27	75.53
4000	28.53	44.55
5000	23.72	44.55
5500	22.12	40.41

Maximum Ratings

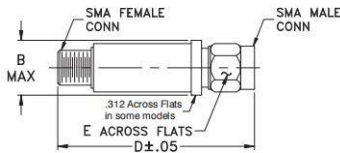
Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 8.5W 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		

