

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

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~95	165	230	255-1600	4500	20	1.2	7

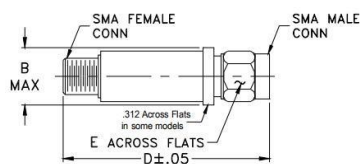
* Not for use with DC voltage at input and output ports

Typical Performance Data

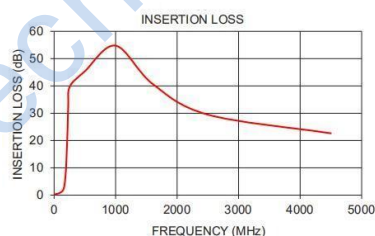
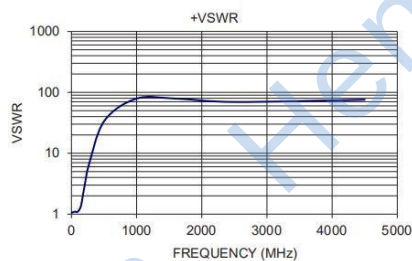
(TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.21	1.05
50	0.51	1.10
95	0.84	1.09
140	1.63	1.29
165	3.23	1.74
185	6.98	2.32
200	12.64	2.82
220	25.00	3.77
230	32.94	4.34
255	39.77	5.75
500	45.36	33.42
1000	54.75	78.97
1600	40.73	78.97
2500	29.48	69.49
4500	22.63	75.53

Outline Drawing



Outline Dimensions: Unit (mm)			
B	10.41	E	7.92
D	36.32		
wt	10.0		



HT-VLF-95+

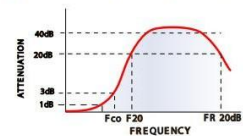


50Ω *DC to 95 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 8.5W 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.