

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- 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~1525	1750	2040	2120-6600	6700	20	1.2	7

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

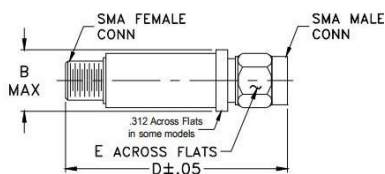
Typical Performance Data

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

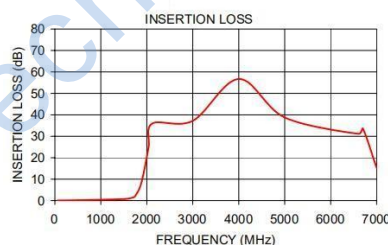
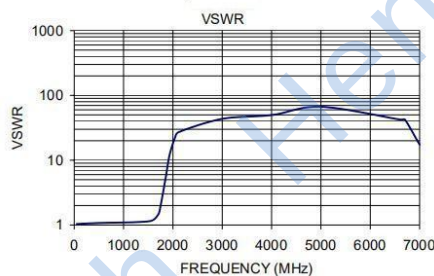
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.06	1.04
500	0.20	1.07
1525	0.77	1.14
1700	1.49	1.45
1750	2.23	1.97
1850	6.29	5.20
1930	12.83	11.77
2040	25.07	22.00
2120	35.96	27.16
3000	37.20	43.44
4000	56.71	49.64
5000	38.77	66.82
6600	31.12	42.38
6700	33.57	42.38
7000	15.32	17.39

Outline Drawing

Outline Drawing



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

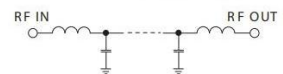


HT-VLF-1525+

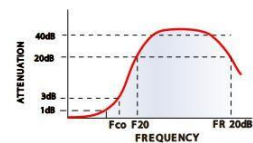


50Ω *DC to 1525 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 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.