

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~530	700	820	945-3000	6000	20	1.2	7

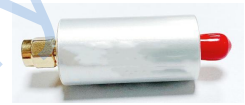
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

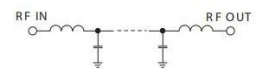
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.05	1.01
100	0.22	1.03
300	0.41	1.05
530	0.83	1.08
650	1.78	1.50
700	3.52	2.31
740	8.75	5.42
775	17.33	10.43
820	34.05	15.13
945	43.81	22.29
1000	52.72	25.94
2000	70.84	46.96
3000	42.58	43.44
5500	24.42	26.74
6000	23.25	30.49

HT-VLF-530+

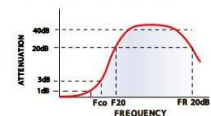


50Ω *DC to 530 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

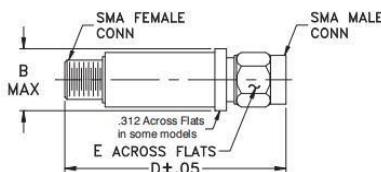
Storage Temperature -55°C to 100°C

RF Power Input* 8.5W 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	9.9	E	7.92
D	38.6		
wt	10.0		

