

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~2750	3125	4000	4150-6800	8400	20	1.2	7

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

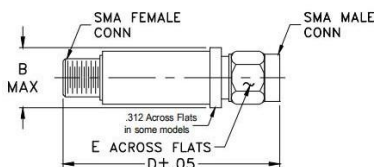
Typical Performance Data

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

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.08	1.03
200	0.13	1.02
500	0.18	1.02
1000	0.28	1.10
2000	0.54	1.32
2750	0.79	1.16
3150	1.83	1.97
4000	33.61	23.18
4200	53.15	27.59
5150	39.36	40.41
6000	55.34	45.72
6800	32.46	46.96
7500	26.91	46.96
8400	22.87	46.96
9900	18.62	29.96

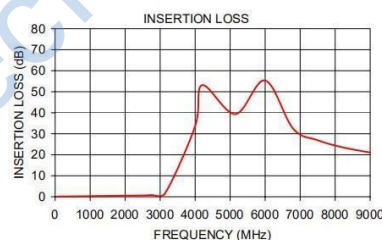
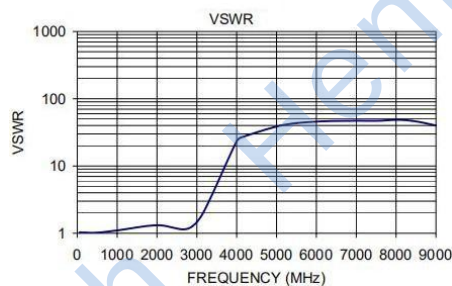
Outline Drawing

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

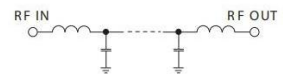


HT-VLF-2750+

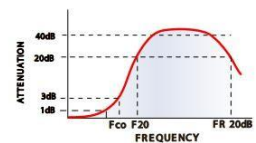


50Ω *DC to 2750 MHz

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.