

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~2500	3075	3675	3800-6100	8000	20	1.2	7

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

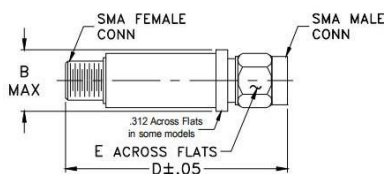
Typical Performance Data

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

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.07	1.03
500	0.18	1.03
1500	0.38	1.11
2500	0.77	1.26
2900	1.77	1.91
3075	3.71	3.43
3250	7.85	7.25
3450	14.79	14.71
3675	24.24	20.95
3800	29.61	22.87
5000	37.24	37.77
6100	31.81	48.26
8000	22.21	54.29
15000	19.62	4.36
20000	15.64	13.29

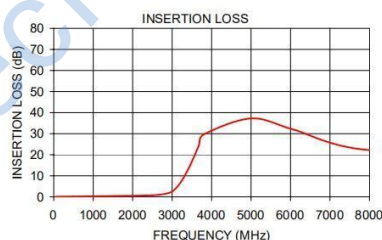
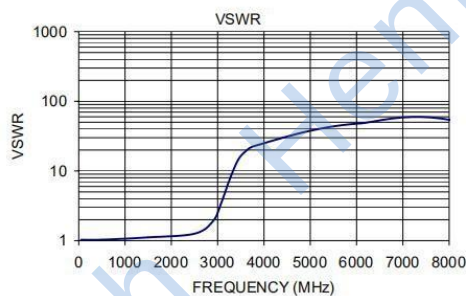
Outline Drawing

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

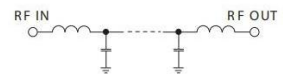


HT-VLF-2500+

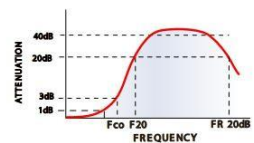


50Ω *DC to 2500 MHz

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.