

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~160	230	330	480-2700	6100	17	1.2	7

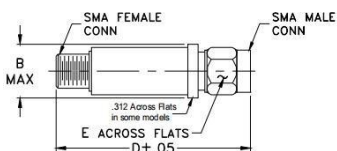
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

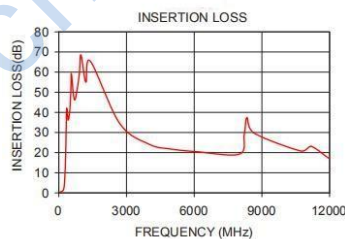
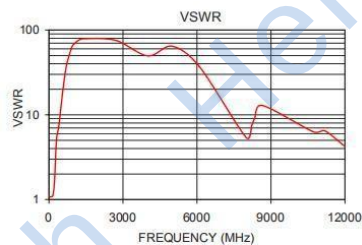
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.32	1.07
100	0.52	1.08
150	0.78	1.11
160	0.85	1.13
210	1.64	1.44
230	2.55	1.77
260	6.08	2.81
280	10.97	3.87
310	22.74	5.27
330	33.27	5.81
350	42.12	6.19
480	40.13	11.85
1000	64.46	69.49
2700	34.45	75.53
6100	20.50	36.97
9000	23.14	15.13
12000	16.88	4.24

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		



HT-VLF-160+

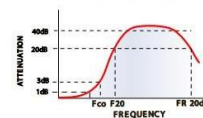


50Ω *DC to 160 MHz

electrical schematic



typical frequency response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 8W 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.