

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~1450	1825	2025	2050-6600	6700	20	1.2	7

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

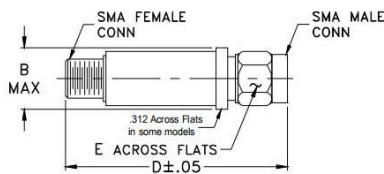
Typical Performance Data

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

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.09	1.03
500	0.22	1.05
1000	0.41	1.09
1450	0.79	1.10
1600	1.36	1.35
1790	7.31	5.59
1825	10.28	8.08
1880	16.05	13.09
2025	36.64	23.49
2050	40.77	24.14
3500	42.15	46.96
5000	40.48	49.64
6600	41.43	41.37
6700	29.08	38.61
7000	18.74	33.42

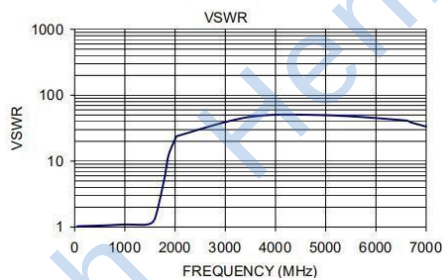
Outline Drawing

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

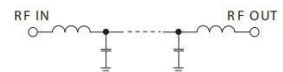


HT-VLF-1450+

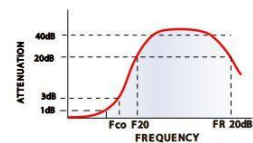


50Ω *DC to 1450 MHz

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.