

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~630	830	1000	1050-3500	6000	20	1.2	7

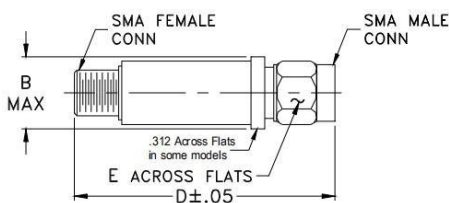
* Not for use with DC voltage at input and output ports

Typical Performance Data

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

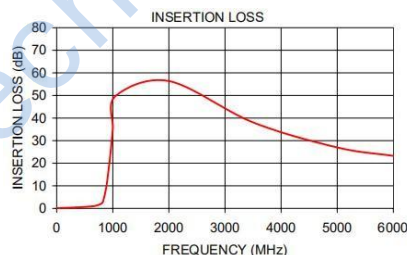
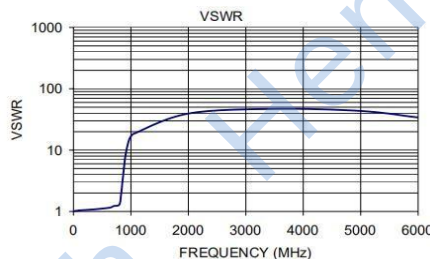
Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.05	1.01
100	0.19	1.04
350	0.42	1.08
630	0.89	1.15
700	1.17	1.22
800	2.16	1.30
830	3.34	1.92
880	8.80	5.25
910	14.08	8.64
960	24.64	13.92
1000	35.29	16.72
1050	49.74	18.50
2000	56.37	39.49
3500	38.09	46.96
5000	26.98	43.44
6000	23.24	34.07

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	1.00		

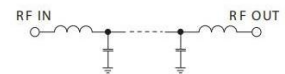


HT-VLF-630+

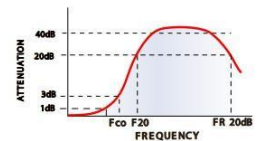


50Ω *DC to 630 MHz

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 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.